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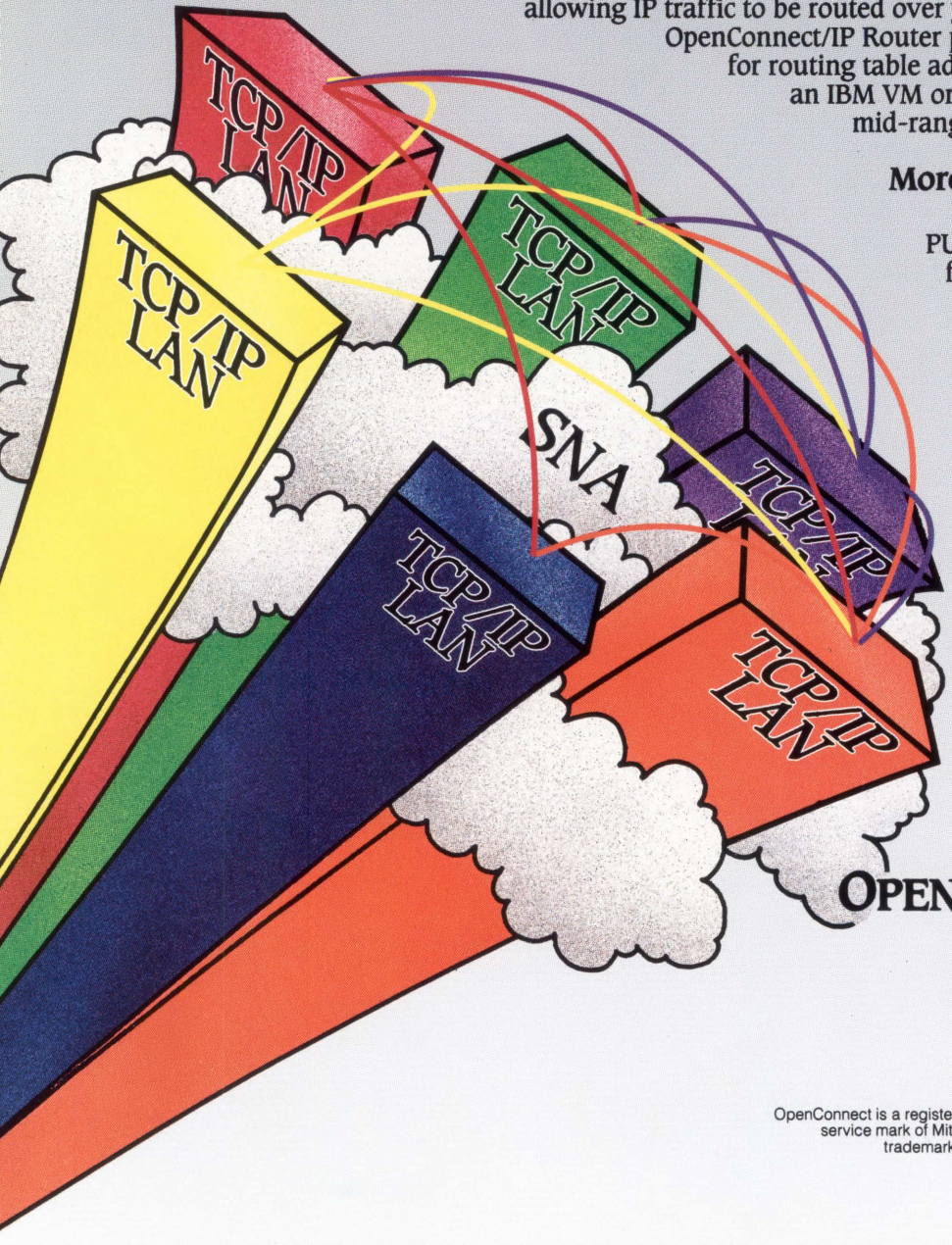
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The OpenConnect®/IP Router Connects IBM®'s SNA Environment and TCP/IP LANs.

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Contents

Departments

How to Use 6
Key 8
Lab Seal Index 8
Advertisers Index 243

Chapter 1: Systems

CPU Systems 10,13
CPU Upgrades 10,13
Specialized Systems 11,13

Chapter 2: Processors

Array Processors 16,18
Database Processors 16,18
Image Processors 17,18

Chapter 3: Data Communications

Communication Controllers 19,32
Communication Processors 20,32
Communication Protocol Interfaces 21,33
Communications Servers 22,34
Modems 22,34
Multiplexers 28,39

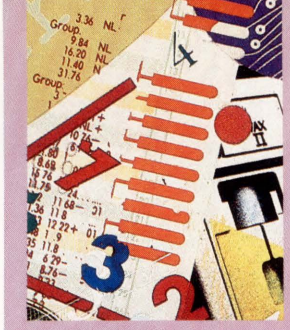
Chapter 4: Networking

Ethernet Devices 44,55
Networking Interfaces 48,58
Switching Devices 49,58
Terminal Servers 49,59
X.25 PAD Processors 54,61

Chapter 5: Disk Storage

Disk Controllers 62,76
Disk Drives 63,77
Disk Subsystems 68,79
Optical Drives 72,83
Optical Subsystems 74,83
Solid State Storage 75,84

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CONTENTS

Continued from page 1.

Chapter 6: Tape Storage

Tape Controllers 85,94
Tape Couplers 85,94
Tape Drives 86,94
Tape Subsystems 88,95

Chapter 7: Memory

Memory Boards 99,103

Chapter 8: Terminals & Workstations

Display Terminals 106,115
Graphics Terminals 109,117
Workstations 113,119
X-Window Terminals 114,120

Chapter 9: Output Devices

Band Printers 121,133
Dot Matrix Printers 122,133
Electrostatic Plotters 124,137
Hard Copy Units 125,137
Ink Jet Printers 125,137
Ion Deposition Printers 126,137
Laser Printers 126,138
Magnetography Printers 130,141
Miscellaneous Printers 130,141
Pen Plotters 131,141
Thermal Transfer Printers 132,142

Chapter 10: Data Acquisition Devices

Analog-to-Digital Conversion 144,145
Digital-to-Analog Conversion 144,145

Chapter 11: Power Devices

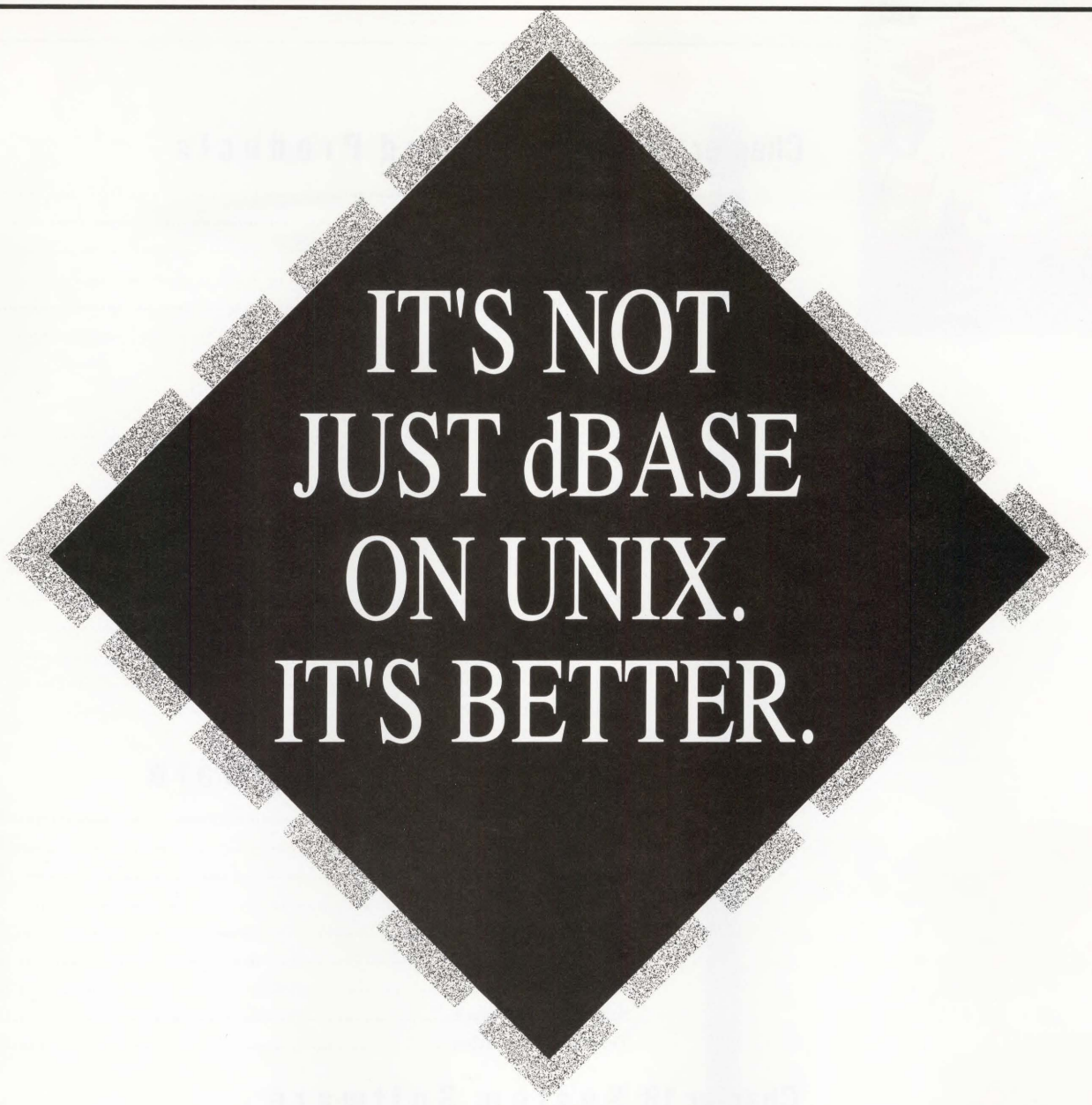
Power Conditioners 146,155
Power Distribution Controllers 147,156
UPS Systems 149,157

Chapter 12: Enclosures

System and Peripheral Enclosures 162,165

Chapter 13: Adapters & Controllers

Graphics Controllers 168,174
Host Adapters 168,174
IEEE-488 Controllers 171,175
Printer Controllers 171,176
Special Function Boards 172,176



Yes, it runs your dBASE, FoxBASE and Clipper applications on UNIX, XENIX and AIX (also VAX/VMS and ULTRIX.) But that's only the beginning of Recital. It's a complete relational database and 4GL for developer and end users alike. It's also got a powerful data dictionary. SQL interface and over 350 additional commands.
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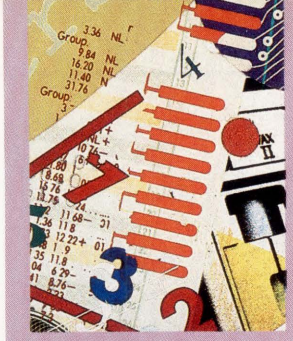
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CONTENTS

Continued from page 2.

Chapter 14: Specialized Products

Bar Code Readers 178
Monitoring and Test Devices 178
Security Systems 178
Smart Ambient Monitors 179
Wiring Systems and Cables 179
Miscellaneous Products 180

Chapter 15: Maintenance

Maintenance 182
Disaster Recovery 182

Chapter 16: Service Companies

Distributors/Resellers 184
Leasing/Rental 184
Supplies 186
System Integrators/OEMs/VARs 186
Training/Consulting 186
Miscellaneous Services 187

Chapter 17: Applications Software

CAD/CAM 188,202
Communications 189,202
Financial Accounting 190,204
Graphics 192,205
Office Automation 194,205
Project Management 198,207
Spreadsheets 198,207
Statistical Packages 199,208
Terminal Emulation 199,208

Chapter 18: System Software 210,215

Chapter 19: DBMS 218,220

Chapter 20: Development Software

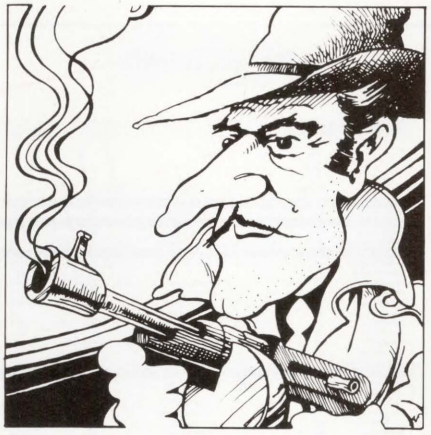
4GL 222,225
CASE 223,225
Toolkits 224,226

Chapter 21: Manufacturers Index 228

We will consider for publication all submitted manuscripts and photographs and welcome your articles, photographs and suggestions. We cannot be responsible for loss or damage. All materials presented are believed accurate, but we cannot assume responsibility for their accuracy or application. DEC PROFESSIONAL Magazine ISSN 0744-9216 is published monthly, except twice in October, by Professional Press, Inc., 101 Witmer Rd., Horsham, PA 19044. Printing and binding by R. R. Donnelley & Sons Company. Subscriptions are complimentary for qualified U.S. and Canadian sites. Single-copy price, including postage, $4. One-year subscription rate $30 in the U.S. and Canada, $60 foreign. All orders must be prepaid. Second Class postage paid at Horsham, PA, and additional mailing offices. POSTMASTER: Send all correspondence and address changes to DEC PROFESSIONAL, 101 Witmer Rd., Horsham, PA 19044. For subscription information and address changes, call (215) 957-1500. COPYRIGHT© 1990 by Professional Press, Inc. All rights reserved. No part of this publication may be reproduced in any form without written permission from the publisher.

BPA dda ABP

Kill idle jobs on your VAX



With ***HITMAN***, you can free terminal lines and plug security leaks by kicking inactive users off your VAX. No more terminals left logged in overnight or on weekends. No more dialup lines tied up because somebody forgot to log off.

You're in control. Simply set your site-specific parameters and turn HITMAN loose. It's like having an assistant who works 24 hours a day and always follows your orders. HITMAN is a "set it and forget it" tool to help you manage your VAX.

You can set a system-wide maximum idle time as well as set times for individual users, images and UIC groups. You can even set idle times for DIALUP processes separate from LOCAL!

You can warn idle users before you strike. HITMAN lets you give them one or more messages. And you can define the text of the messages and the times at which they are sent.

HITMAN sends a termination message to the users it kills. And, it can even mail them a detailed message after it kills them!

You control who gets hit. You can protect up to 256 users so they won't be hit even if they're completely inactive. You didn't REALLY want to shoot the president's ALL-IN-1 process did you? HITMAN also lets you protect images, terminals and UIC groups.

Sneaky users can't hide from HITMAN. Even if they use small amounts of CPU to look active, you can set thresholds on CPU time and Buffered I/O's to catch them.

HITMAN is **safe to use** since only interactive processes are checked. Idle parent processes with active sub-processes aren't touched either.

Your data is protected because HITMAN allows images to write their data buffers to disk and release their locks before it terminates them.

You'll always know what HITMAN's doing because it logs warnings, hits and errors to a disk file and sends you a message every time it terminates someone.

You can prevent user complaints by testing HITMAN before you turn it loose. In watch mode, HITMAN writes messages to the log file but doesn't warn or terminate processes so nobody knows it's there. That lets you decide who to protect and what idle times to set by checking the log file.

HITMAN is eliminating waste and plugging security leaks at 770 VAX/VMS sites in the United States, Canada, Europe and Australia. It's solidly engineered and proven in the field by system managers like yourself. And, HITMAN V5.0 works perfectly on VMS 5.4!

A single CPU license is only $695. And, a **site** license is only $895! To order your copy, call Alan at (403) 263-1151.

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HOW TO USE

For the second year, DEC PROFESSIONAL magazine is providing a comprehensive buyers guide to users of DEC computers.

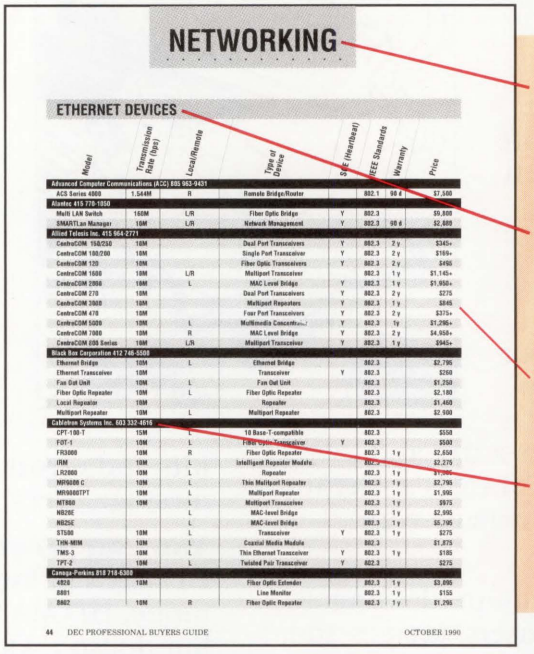
Last year we offered a complete hardware listing. This year we've expanded our comprehensive index by adding a listing of the most popular software products available to DEC users. The software categories are grouped according to four general topics for easy reference:

- ***Application Software***
  - *CAD/CAM*
  - *Communications*
  - *Financial Accounting*
  - *Graphics*
  - *Office Automation*
  - *Project Management*
  - *Spreadsheets*
  - *Statistical Packages*
  - *Terminal Emulation*
- ***System Software***
- ***DBMS***
- ***Development Software***
  - *4GL*
  - *CASE*
  - *Toolkits*

Each category of products is conviently listed by chapter.

Each chapter is then divided into two sections: a detailed, quick-reference product-comparison chart and a listing of more specific information on each product.

You may refer to the Manufacturers Index on page 228 for addresses, telephone numbers and a cross reference to the product information from the company in which you are interested.



Product-comparison charts enable you to compare all products in a specific category at a glance.

For quick reference, product categories are listed alphabetically, as are the companies within each category.

Find the category you need in an instant with staggered margin headings.

Company names and their telephone numbers are highlighted in the product-comparison charts.

Product Comparison

To compare all products in a category, refer to the Table of Contents to learn where information on that category begins. For example, if you need to find available financial accounting software and which companies offer it, find Financial Accounting in the Table of Contents and refer to the given page number for the complete information.

Then, at a glance, learn from the product-comparison chart what products are available and specific details about those products, like prices, warranties, etc.

When you find a product that interests you, refer to the in-depth information about that product later in the same chapter, listed under the company that offers it. Or, you may read the entire chapter for in-depth information about each product.

More Information

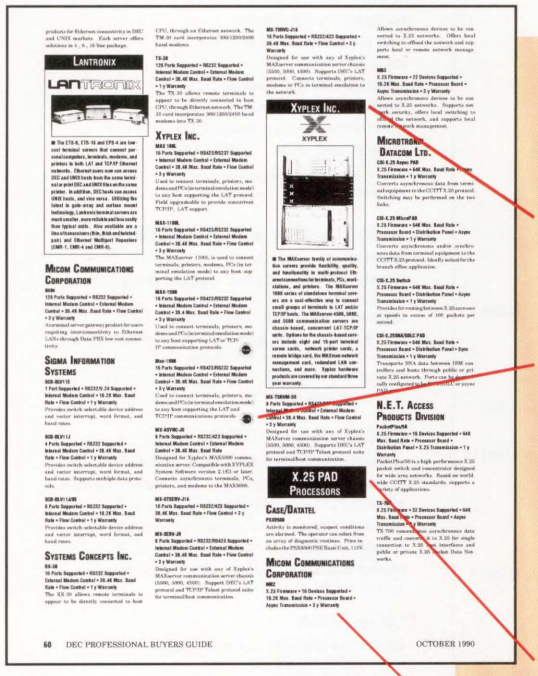
The DEC PROFESSIONAL Buyers Guide includes all general information available from each participating manufacturer. If you need further information, use the Manufacturers Index to contact each company directly.

Key

A key to the terms and abbreviations used in this guide is provided on page 8 to help you to further understand the product information.

Lab Seals

Many of the products listed have been tested and reviewed in DEC PROFESSIONAL's DP Laboratory and Testing Center. Use the Lab Seals Index on page 8 to find those reviews.



products for Ethernet connectivity to DEC and UNIX markets. Each server offers solutions in 1-, 8-, 16-line packages.

LANTRONIX

LANTRONIX

■ The ETS-4, ETS-16 and EPS-4 are low-cost terminal servers that connect personal computers, terminals, modems and printers to both LAT and TCP/IP Ethernet networks. Ethernet users now can access DEC and UNIX hosts from the same terminal or printer. In addition, DEC hosts can access UNIX hosts, and vice versa. Utilizing the latest in gate-array and surface mount technology, Lantronix's terminal servers are much smaller, more reliable and less costly than typical units. Also available are a line of transceivers (thin, thick and twisted-pair) and Ethernet Multiport Repeaters (LNR-1, LNR-4 and LNR-8).

MICOM COMMUNICATIONS CORPORATION

DCM
128 Ports Supported • RS232 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 2 y Warranty

Asynchronous server gateway product for users requiring interconnectivity to Ethernet LANs through Data PBX low cost connectivity.

SIGMA INFORMATION SYSTEMS

SCD-DCV11F
1 Port Supported • RS232/V.24 Supported • Internal Modem Control • 19.2K Max. Baud Rate • Flow Control • 1 y Warranty

Provides switch selectable device address and vector interrupt, word format, and baud rates.

SCD-DLV11J
4 Ports Supported • RS232 Supported • Internal Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty

Provides switch selectable device address and vector interrupt, word format, and baud rates. Supports multiple data protocols.

SCD-DLV11JHS
8 Ports Supported • RS232 Supported • Internal Modem Control • 19.2K Max. Baud Rate • Flow Control • 1 y Warranty

Provides switch selectable device address and vector interrupt, word format, and baud rates.

SYSTEMS CONCEPTS INC.

SX-3B
16 Ports Supported • RS232 Supported • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty

The SX-3B allows remote terminals to appear to be directly connected to host CPU, through an Ethernet network. The TM-30 card incorporates 300/1200/2400 baud modems.

TX-3B
128 Ports Supported • RS232 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty

The TX-3B allows remote terminals to appear to be directly connected to host CPU, through Ethernet network. The TM-30 card incorporates 300/1200/2400 baud modems into TX-3B.

XYPLEX INC.

MAX 1600
16 Ports Supported • RS423/RS232 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty

Used to connect terminals, printers, modems, PCs (in terminal emulation mode) to any host supporting the LAT protocol. Field upgradeable to provide concurrent TCP/IP, LAT support.

MAX 1160L
16 Ports Supported • RS423/RS232 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty

The MAXserver 1160L is used to connect terminals, printers, modems, PCs (in terminal emulation mode) to any host supporting the LAT protocol.

MAX 1500
16 Ports Supported • RS423/RS232 Supported • Internal Modem Control • External Modem Control • 38.4 Max. Baud Rate • Flow Control • 3 y Warranty

Used to connect terminals, printers, modems and PCs (in terminal emulation mode) to any host supporting LAT or TCP/IP communication protocols.

Max-1600
16 Ports Supported • RS423/RS232 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty

Used to connect terminals, printers, modems and PCs (in terminal emulation mode) to any host supporting the LAT and TCP/IP communications protocols.

MX-4XYHC-JB
4 Ports Supported • RS232/423 Supported • Internal Modem Control • External Modem Control • 38.4 Max. Baud Rate

Designed for use with any of Xyplex's MAXserver communication server chassis (5500, 5000, 6500). Supports DEC's LAT protocol and TCP/IP Telnet protocol suite for terminal/host communication.

MX-4TSERV-216
16 Ports Supported • RS232/423 Supported • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty

MX-8DSV-JB
8 Ports Supported • RS232/RS423 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty

Designed for use with any of Xyplex's MAXserver communication server chassis (5500, 5000, 6500). Support DEC's LAT protocol and TCP/IP Telnet protocol suite for terminal/host communication.

MX-TSNVC-216
16 Ports Supported • RS232/423 Supported • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty

Designed for use with any of Xyplex's MAXserver communication server chassis (5500, 5000, 6500). Support DEC's LAT protocol. Connects terminals, printers, modems or PCs in terminal emulation to the network.

XYPLEX INC.

XYPLEX

■ The MAXserver family of connectivity servers provide flexibility, quality, and functionality in multi-protocol Ethernet environments for terminals, PCs, workstations, and printers. The MAXserver 1600 series of client/slave terminal servers are a cost-effective way to connect small groups of terminals to LAT and/or TCP/IP hosts. The MAXserver 4500, 5000, and 5500 communication servers are chassis-based, concurrent LAT/TCP/IP units. Options for the chassis-based servers include eight and 16-port terminal server cards, network printer cards, a remote bridge card, the MAXnet network management card, redundant LAN connections, and more. Xyplex hardware products are covered by our standard three year warranty.

MD-TSNVM-SS
8 Ports Supported • RS423/RS232 Supported • Internal Modem Control • External Modem Control • 38.4 Max. Baud Rate • Flow Control • 2 y Warranty

Designed for use with any of Xyplex's MAXserver communication server chassis (5500, 5000, 6500). Supports DEC's LAT protocol and TCP/IP Telnet protocol suite for terminal/host communication.

X.25 PAD PROCESSORS

CASE/DATATEL
PSDN96

Activity is monitored; suspect conditions are alarmed. The operator can select from an array of diagnostic routines. Price includes the PSDN96 PSE Board Unit, UAM, Allows asynchronous devices to be connected to X.25 networks. Offers local switching to offload the network and supports local or remote network management.

MBI
X.25 Firmware • 32 Devices Supported • 19.2K Max. Baud Rate • Processor Board • Async Transmission • 2 y Warranty

Allows asynchronous devices to be connected to X.25 networks. Supports network security, offers local switching to offload the network, and supports local network management.

MICROTRONIC DATACOM LTD.

CD-X.25 Async PAD
X.25 Firmware • 64K Max. Baud Rate • Async Transmission • 1 y Warranty

Converts asynchronous data from terminal equipment to the CCITT X.25 protocol. Switching may be performed on the two links.

CD-X.25 MicroPAD
X.25 Firmware • 64K Max. Baud Rate • Processor Board • Distribution Panel • Async Transmission • 1 y Warranty

Converts asynchronous and synchronous data from terminal equipment to the CCITT X.25 protocol. Ideally suited for the branch office application.

CD-X.25 Switch
X.25 Firmware • 64K Max. Baud Rate • Processor Board • Distribution Panel • Async Transmission • 1 y Warranty

Provides for routing between X.25 processes at speeds in excess of 100 packets per second.

CD-X.25NBA/SNLC PAD
X.25 Firmware • 64K Max. Baud Rate • Processor Board • Distribution Panel • Sync Transmission • 1 y Warranty

Transports SNA data between IBM controllers and hosts through public or private X.25 network. Ports can be individually configured to be terminal, or async host.

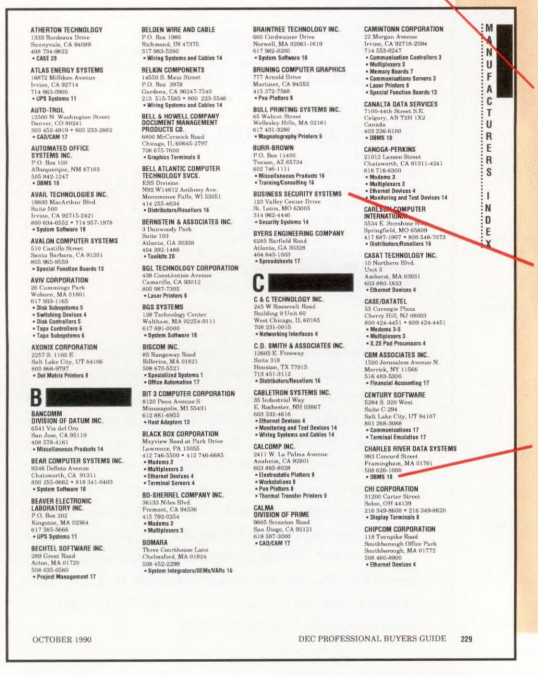
N.E.T. ACCESS PRODUCTS DIVISION

PacketPlus/56
X.25 Firmware • 19 Devices Supported • 64K Max. Baud Rate • Processor Board • Distribution Panel • X.25 Transmission • 1 y Warranty

PacketPlus/56 is a high performance X.25 packet switch and concentrator designed for wide area networks. Based on world wide CCITT X.25 standards, supports a variety of applications.

TX-100
X.25 Firmware • 32 Devices Supported • 64K Max. Baud Rate • Processor Board • Async Transmission • 1 y Warranty

TX-100 connects asynchronous data traffic and converts it to X.25 for single connection to host. Interfaces and public or private X.25 Packet Data Networks.



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• Ethernet Devices 4
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35 Industrial Way
E. Rochester, NH 03867
603 332-4616
• Ethernet Devices 4
• Monitoring and Test Devices 14
• Wiring Systems and Cables 14

CALCOMP INC.
2411 W. La Palma Avenue
Anaheim, CA 92801
603 885-8028
• Electrostatic Plotters 8
• Workstations 5
• Pen Plotters 8
• Thermal Transfer Printers 8

CALMA DIVISION OF PRIME
9805 Scranton Road
San Diego, CA 92121
619 587-3000
• CAD/CAM 17

CAMINTONN CORPORATION
22 Morgan Avenue
Irvine, CA 92718-2094
714 553-0247
• Communication Controllers 3
• Multiplexers 3
• Memory Boards 7
• Communications Servers 3
• Laser Printers 9
• Special Function Boards 13

CANALTA DATA SERVICES
7100-44th Street S.E.
Calgary, AB T2B 1X2
Canada
403 236-6100
• DBMS 10

CANOGA-PERKINS
21012 Lassen Street
Chatsworth, CA 91311-4241
818 718-6300
• Modems 3
• Multiplexers 3
• Ethernet Devices 4
• Monitoring and Test Devices 14

CARLSON COMPUTER INTERNATIONAL
3534 S. Stemmons Pl
Springfield, MO 65809
417 887-1807 • 800 546-7073
• Distributors/Resellers 16

CASAT TECHNOLOGY INC.
10 Northern Blvd.
Unit 3
Amherst, MA 03031
603 880-1623
• Ethernet Devices 4

CASE/DATATEL
55 Carnegie Plaza
Cherry Hill, NJ 08003
800 424-4451 • 609 424-4451
• Modems 3-6
• Multiplexers 3
• X.25 Pad Processors 4

CBM ASSOCIATES INC.
1500 Jerusalem Avenue N.
Merrick, NY 11566
516 483-5200
• Financial Accounting 17

CENTURY SOFTWARE
5284 S. 320 West
Suite C-204
Salt Lake City, UT 84107
801 268-3688
• Communications 17
• Terminal Emulation 17

CHARLES RIVER DATA SYSTEMS
983 Concord Street
Framingham, MA 01701
508 626-1900
• DBMS 10

CHI CORPORATION
31200 Carter Street
Solon, OH 44139
216 349-8600 • 216 349-8620
• Display Terminals 9

CHIPCOM CORPORATION
118 Turnpike Road
Southborough Office Park
Southborough, MA 01772
508 460-8900
• Ethernet Devices 4

MANUFACTURERS INDEX

Comprehensive product information allows you to quickly distinguish one model from another.

"Power Listings" are expanded descriptions about a particular company and its product or series of products.

The "Lab Seal" indicates that the product has undergone testing in DEC PROFESSIONAL's Laboratory and Testing Center, DPLabs. A review appears in DEC PROFESSIONAL magazine. For an index to reviews by issue, turn to page 8.

Refer to the columnar listings to find more in-depth information about the products.

When you've found a product of interest in the comparison chart, look here for more specifics. Then you can make a final purchasing decision.

The Manufacturers Index lists companies alphabetically along with their addresses and telephone numbers. Many toll-free numbers are provided.

Many companies offer products in several categories. These are listed in bold type below telephone numbers, cross referenced to the chapters in which their products are listed.

YOUR PRODUCT

To have your product or service appear in the next DEC PROFESSIONAL Buyer's Guide, contact Lea Smith at (215) 957-4285 and request a product questionnaire.

Information about DEC-compatible hardware and software is published free of charge. Published material is based on information received via standardized product questionnaires only.

All vendors listed must verify the accuracy of their entries in order to be retained in the Buyer's Guide from issue to issue. Products that are not updated will be dropped from the next edition.

Vendors included in the 1990 edition will be contacted concerning updates for the 1991 edition.

For information on advertising or to have an expanded "power" listing in future editions, call the Advertising department at (215) 957-1500, or FAX (215) 957-1050.

KEY TO THIS GUIDE

KEY
A/S Asynchronous/Synchronous
Com. Command
CP Critical Path
d Day
E Ethernet
ES Embedded Systems
FAcctg. Fund Accounting
FF Flat File
Flex. Flexible
Fnct. Function
Hier. Hierarchical
I Ingres
II Inverted Index
Inf. Informix
Kerm. Kermit
Life Lifetime
lpm Lines per minute
mo Month
Mse. Mouse
Norm Normalization
Or. Oracle
P Parallel
PM Power Mode
Prop. Proprietary
PS Postscript
Rel. Relational
RT Real Time
S Serial
S/L Serial/Line
Syb. Sybase
T ThinWire
U/Q/B Unibus, Q-bus, BIbus
V Variable
W Workstations
XM XModem
Y Year
YM YModem
Y/P Yourdon/Proprietary
Yrdn. Yourdon

DP LAB SEALS

Chapter	Issue
SYSTEMS-CHAPTER 1	
Logicraft Inc.	
386WARE	May 1990
DATA COMMUNICATIONS-CHAPTER 3	
Mitek OpenConnect Systems	
OpenConnect	August 1990
NETWORKING-CHAPTER 4	
Datability Software Systems Inc.	
VCP-1000	July 1990
Xyplex Inc.	
Max-1500, 1800	February 1990
DISK STORAGE-CHAPTER 5	
Alphatronix	
Inspire	January 1990
MDB Systems Inc.	
Data Shuttle 2000/A	January 1990
Seagate Technology Inc.	
Sabre 9720-1123	March 1990
See First Technology Inc.	
RDC-16	June 1990
TAPE STORAGE-CHAPTER 6	
Micro Technology Inc.	
MA-24	February 1990
TERMINALS AND WORKSTATIONS-CHAPTER 8	
Network Computing Devices	
NCD19	June 1990
OUTPUT DEVICES-CHAPTER 9	
NBS Southern Inc.	
NBS 3840D	January 1989
Xerox Corporation	
4045 Laser CP-150	November 1989

Chapter	Issue
POWER DEVICES-CHAPTER 11	
Emerson Computer Power	
AP320	June 1990
Pulizzi Engineering Inc.	February 1989
PC 300-C	
SPECIALIZED PRODUCTS-CHAPTER 14	
Intra Computer Inc.	
SAM2010	July 1990
APPLICATIONS SOFTWARE-CHAPTER 17	
Access Technology Inc.	
20/20	January 1989
Compu-Share Inc.	
Business Comptrol Series	April 1989
Data Processing Design Inc.	
Word-11 V4.3	August 1989
Digital Management Group	
Vax-to-Fax	June 1990
DSD Corp.	
C-Plan	June 1989
Kea Systems Ltd.	
Powerstation keyboard	October 1989
MCBA Inc.	
MCBA classic	February 1989
MicroSystems Engineering Corp.	
MASS-11 Spreadsheet	February 1990
Pericom Inc.	
TEEM-TALK 11	December 1989

Continued on page 243

DEC Professional

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SYSTEMS

CPU SYSTEMS

Model	MIPS	Floating Point	Bandwidth	# of CPUs	# of Controllers	Max System Memory (Bytes)	Processor Cycle Time (ns)	Word Size (bits)	Main Memory	Terminals Supported	Warranty	Price
Active Memory Technology 714-261-8901												
DAP 510		Y	10MHz	1024	9	36M	100	V	32M		90 d	$120,000+
DAP 610		Y	10MHz	4096	9	132M	100		128M		90 d	$320,000+
Arix Corporation 408 922-8478												
ARIX 800		Y	12.5MHz	1-2	1	16M				48		
ARIX 825		Y	25MHz	1-2	1	64M				80		
ARIX 850		Y	25MHz	1-3	1					128		
ARIX 875		Y	25MHz	1-3	1	64M				128		
System 90-40		Y	25MHz			10.5G				256		
System 90-80		Y	25MHz			10.5G				512		
Convex Computer Corporation 214 497-4000												
C120		Y	80Mbps	1		1G	100	64		256		
C201-202	80	Y	290Mbps	1-2		2G	55	64		256		
C210	56	Y	200Mbps	1		2G	40	64		256		
C220	112	Y	400Mbps	2		2G	40	64		256		
C230	168	Y	600Mbps	3		2G	40	64		256		
C240	224	Y	800Mbps	4		2G	40	64		256		
MIPS Computer Systems Inc. 408 720-1700												
RC 3240	18	Y	25MHz	1		64M		32		128	90 d	$30,000
RC 3260	20	Y	25MHz	1		128M		32		128	90 d	$55,000
Nemonix Inc. 508 435-9087												
NX860-XLC-S	8	Y		1		256M		32	32M	8	90 d	$125,000
Unbound, Inc. 714 843-1895												
MicroVAX II QUBE		Y		1	2	16M					6 mo	
QUBE 11/23		Y		1	2	16M					6 mo	$6,000+
QUBE 11/73		Y		1	2	16M					6 mo	
QUBE 11/83		Y		1	2	16M					6 mo	

CPU UPGRADES

Model	Applicable CPU	Operating System	Memory Board Size (Bytes)	Disk Controller	Floating Point	Supported Interfaces	Max System Capacity (Bytes)	Warranty	Price
Nemonix Inc 508 435-9087									
NX750-SCA	VAX 750								$2,995
NX780-CTU	VAX 780								$4,995
NX82-XL	VAX 8200								$6,495
NX83-XL	VAX 8300								$9,000

CPU UPGRADES

Model	Applicable CPU	Operating System	Memory Board Size (Bytes)	Disk Controller	Floating Point	Supported Interfaces	Max System Capacity (Bytes)	Warranty	Price
Nemonix Inc 508 435-9087 (continued)									
NX860-XCC	VAX 8600							life	
NX860-XL	VAX 8600								$14,995
NX860-XLC	VAX 8600								$44,990
NX870-XL	VAX 8700								$9,995
NX880-XL	VAX 8800								
Nissho Electronics Corporation 714 261-8811									
N1100-PLUS	PDP-11	RSTS			Y	UNIBUS	4M	1 y	$11,500
Quickware Engineering Design, Inc. 800 237-1185									
QED 11/85	PDP-11				Y		4M	1 y	$4,900
QED 11/90	PDP-11		4M		Y		4M	1 y	$7,600

SPECIALIZED SYSTEMS

Model	Max Memory Size (Bytes)	Tape Drive Support	Disk Drive Support	Type of System	Terminal Support	Printer Support	Warranty	Price
Adac Corporation 617 935-6668								
1200 Series				Measurement & Control				$5,900+
PICOBASYS				Measurement & Control				$5,900+
Aptec Computer Systems, Inc. 503 626-9000								
IOC-200	80M	Y	Y	I/O System				$125,000+
IOC-24	256M	Y	Y	I/O System	Y			$35,000+
Biscom Inc. 508 670-5521								
FAXCOM 1000+				Facsimile				
Codar Technology, Inc. 303 776-0472								
600M	32M	Y	4	Ruggedized Tactical	Y	Y	1 y	
600MD	64M	Y	3	Ruggedized Tactical	Y	Y	1 y	
Codex Corporation 508 261-4000								
4800 Series	120M	Y	Y	Network Management	Y	Y	1 y	$156,000
9800	348M	Y	Y	Network Management	Y	Y	1 y	$47,000+
Computer Products, Inc. 305 974-5500								
RTP				Data Acquisition & Control			1 y	
Cyberchron Corporation 914 265-3700								
C630-RO	16M	Y	Y	Ruggedized MicroVAX II/III	Y	Y	90 d	
C630-SE	16M	Y	Y	Ruggedized MicroVAX II	Y	Y	90 d	
C650-SE	16M	Y	Y	Ruggedized MicroVAX II/III	Y	Y	90 d	$50,000+
R8000-APA	64M	Y	Y	Ruggedized R8250/R8350	Y	Y	90 d	
R8000-DSA	3.2G	Y	Y	Ruggedized Disk Storage			90 d	
Dataram Corporation 609 799-0071								
Wide Word 2000	8-640M			Multiported Bus System			1 y	$41,000+
Gescan International, Inc. 800 982-2177								
GESCAN				Text Retrieval				
IMAGE-X 805 964-3535								
IMAGEmate	8M		Y	Image & Data Comm System	Y			
TECHmate	24	Y	Y	Image & Data Comm System	Y	Y	90 d	

SPECIALIZED SYSTEMS

Model	Max Memory Size (Bytes)	Tape Drive Support	Disk Drive Support	Type of System	Terminal Support	Printer Support	Warranty	Price
Kinetic Systems Corp. 815-838-0005								
2160				Data Acquisition & Control			2 y	$8,000+
2165				Data Acquisition & Control			2 y	$15,250
3000 Series				Data Acquisition & Control			2 y	$2,000
3100 Series				Data Acquisition & Control			2 y	$2,000
3300 Series				Data Acquisition & Control			2 y	$2,000
3400 Series				Data Acquisition & Control			2 y	$1,000+
3500 Series				Data Acquisition & Control			2 y	$4,000+
3600 Series				Data Acquisition & Control			2 y	$1,200+
3700 Series				Data Acquisition & Control			2 y	$1,025+
4000 Series				Data Acquisition & Control			2 y	$1,120+
Tachion-I	1.37G		Y	Data Acquisition & Control			2 y	$300,000+
Vantage 300 (3968)				Data Acquisition & Control			2 y	
Logicraft Inc. 603 880-0300								
386WARE	16M		Y	MS-DOS Application Server	Y	Y	90 d	$12,995
486Ware	16M			MS-DOS Application Server	Y	Y	90 d	$17,985
CD-Ware	16M			MS-DOS Application Server	Y	Y	90 d	$14,195
HCP-11	768K			MS-DOS Application Server	Y		90 d	$1,895
Omni-Ware	8M			MS-DOS Application Server	Y	Y	90 d	$3,495
LXE 404 447-4224								
200				RF Base Station	Y	Y		
220				RF Base Station	Y			
280				RF Base Station	Y			
Microcom, Inc.								
HDMS				Network Management			1 y	
Minolta Corporation 201 825-4000								
MinCAR		Y	Y	Computer Assisted Retrieval	Y	Y	90 d	$5,000+
Oasys 617 890-7889								
AP/10 VAX				Attached Processor				$7,000+
Opticomm Corporation 619 450-0143								
BUS-2000/RCV				Fiberoptic Bus Extender	Y		6 mo	$3,150
BUS-2000/XMT				Fiberoptic Bus Extender	Y		6 mo	$3,150
RGB-3000/RCV				Optical Fiber Link	Y		6 mo	$2,950
RGB-3000/XMT				Optical Fiber Link	Y		6 mo	$2,950
Paracom, Inc. 312 293-9500								
BBK-DR11	48K			Transputer			1 y	
BBK-Q				Transputer			1 y	
Rugged Digital Systems Inc. 415 966-1770								
Ruggedized Computer		Y	Y	Ruggedized CPU	Y			
Sequoia Systems, Inc. 508 480-0800								
Series 300	2, 048	Y	Y	Fault-tolerant Multiprocessor	Y	Y		$300,000+
Square D/Crisp Automation Systems 614 764-4200								
Cimitry		Y	Y	Sup. Cont. & Data Acquisition	Y	Y	1 y	
Systems Concepts, Inc. 415 984-1000								
SA-11		Y	Y	Adaptor	Y	Y	1 y	

CPUs

Active Memory Technology

DAP 510
Floating Point • 36MBytes Max. System Memory • 90 d Warranty
Transfers data between memory and processors at 1280M bps, performs logic or Boolean operations at 10,000 million operations/sec., handles characters at 1,000 million operations/sec.

DAP 610
Floating Point • 132MBytes Max. System Memory • 90 d Warranty
Equipped with 4096 processors, each connected to its own local memory, ranging from 16-32MB. Parallel instructions are decoded, broadcast and executed simultaneously.

Arix Corporation

ARIX 800
Floating Point • 16MBytes Max. System Memory
Supports up to three external tape drives and eight external disk drives; equipped with one-to-two application processors, one-to-five communication processors and one-to-two database processors.

ARIX 825
Floating Point • 64MBytes Max. System Memory
Equipped with one-to-two application processors and one-to-two database processors. Features up to 28GB of optical disk storage.

ARIX 850
Floating Point
Supports up to four external tape drives and eight external disk drives; equipped with one-to-three application processors, one-to-11 communication processors and one-to-four database processors. Features up to 28GB of optical disk storage.

ARIX 875
Floating Point • 64MBytes Max. System Memory
Supports up to four external tape drives and eight external disk drives; equipped with one-to-three application processors, one-to-11 communication processors and one-to-four database processors. Features up to 28GB of optical disk storage. Also features a 1600/3200 bpi 9-track tape drive.

System 90-40
Floating Point • 10.5GBytes Max. System Memory
Equipped with one-to-four application processors, one-to-16 communication processors and one-to-eight database processors. Also features a 1600/3200 bpi 9-track tape drive.

System 90-80
Floating Point • 10.5GBytes Max. System Memory
Equipped with one-to-eight application processors, one-to-32 communication processors and one-to-16 database processors. Also features a 1600/3200 bpi 9-track tape drive.

Convex Computer Corporation

C120
Floating Point • 1GByte Max. System Memory
Features fast turnaround on parallel jobs without sacrificing high throughput for other applications, large memory and fast input/output, a multiuser, multiapplication environment and CXwindows that provides users with a windowing system. Also features 50Mflops.

C201-202
80 MIPS • Floating Point • 2GBytes Max. System Memory

C210
56 MIPS • Floating Point • 2GBytes Max. System Memory

C220
112 MIPS • Floating Point • 2GBytes Max. System Memory

C230
168 MIPS • Floating Point • 2GBytes Max. System Memory

C240
224 MIPS • Floating Point • 2GBytes Max. System Memory
Feature fast turnaround on parallel jobs without sacrificing high throughput for other applications, large memory and fast input/output, and multiuser, multiapplication capabilities. Feature 36-72, 50, 100, 150 and 200MFlops, respectively.

MIPS Computer Systems Inc.

RC 3240
18 MIPS • Floating Point • 64MBytes Max. System Memory • 90 d Warranty
The RS 3240 features 6GB of disk storage capacity and supports 5.25" SCSI disks and one Ethernet port.

RC 3260
20 MIPS • Floating Point • 128MBytes Max. System Memory • 90 d Warranty
The RC 3260 features 18GB of disk storage capacity and supports SCSI disks and up to four Ethernet ports.

Nemonix Inc.

NX860-XLC-S
8 MIPS • Floating Point • 256MBytes Max. System Memory • 90 d Warranty
Nemonix XLC-S is a single-processor VAX-based system providing higher CPU performance than a VAX 6000-410 for less than half the cost.

Unbound, Inc.

MicroVAX II QUBE
Floating Point • 16MBytes Max. System Memory • 6 mo Warranty
Supports ESDI- or SCSI-based disk drives. Back-up options include an RX33-compatible floppy drive, a TK50 .25" tape drive, or an archival optical disk drive.

QUBE 11/23
Floating Point • 16MBytes Max. System Memory • 6 mo Warranty
Supports ST506-, ESDI-, or SCSI-based disk drives. Back-up options include an RX33-compatible flexible drive, a 10MB removable disk, or one 150MB .25" tape drive.

QUBE 11/73
Floating Point • 16MBytes Max. System Memory • 6 mo Warranty
Features high performance, multiuser capability, and full compatibility with all PDP-11 systems. Supports ST506, ESDI, SCSI disk drives. Backup options include RX33-compatible floppy drive.

QUBE 11/83
Floating Point • 16MBytes Max. System Memory • 6 mo Warranty
Based on PDP-11 Q-bus processor and provides users with upgrade alternative for applications requiring increased CPU processing power. Supports ESDI peripherals with up to 650MB storage.

CPU Upgrades

Nemonix Inc.

NX750-SCA
CPU upgrade for VAX 750. Improves CPU performance up to 20 percent.

NX780-CTU
The NX780-CTU is a CPU upgrade for the VAX. Improves CPU performance 45 percent. Lifetime warranty.

NX82-XL
Lifetime Warranty
CPU upgrade for the VAX 8200. Boosts CPU power from one to 1.3 MIPS. Fully hardware and software compatible.

NX83-XL
Lifetime Warranty
CPU upgrades for the VAX 8300. Boosts CPU power from 1.9 to 2.8 MIPS. Fully hardware and software compatible.

NX860-XCC
Lifetime Warranty
8+MIPS performance upgrade for the VAX 8600. Transparent to existing hardware and software.

NX860-XL
Lifetime Warranty
CPU upgrade for the VAX 8600. Boosts CPU power from 4.2 to six MIPS. Fully hardware and software compatible.

NX860-XLC
Lifetime Warranty
CPU upgrade for the VAX 8600. Boosts CPU power from 4.2 to eight MIPS. Fully hardware and software compatible.

NX870-XL
Lifetime Warranty
CPU upgrade for VAX 8700. Boosts CPU power from six to 7.5 MIPS. Fully hardware and software compatible.

NX880-XL
CPU upgrade for VAX 8800. Boosts CPU power from 12 to 15 MIPS. Fully hardware and software transparent.

Nissho Electronics Corporation

N1100-PLUS
Floating Point • UNIBUS Supported • 4MBytes Max. System Memory • 1 y Warranty
N1100-PLUS is an enhanced version of N1100. Includes memory capacity of 4MB, 8KB cache, a floating point accelerator option and a memory management unit.

Quickware Engineering Design, Inc.

QED 11/85
Floating Point • 4MBytes Max. System Memory • 1 y Warranty
Processor upgrade board triples the throughput of the DEC PDP-11/24 UNIBUS computer. No hardware or software changes are required. Gives VAX-type speed for PDP-11/24 users.

QED 11/90
Floating Point • 4MBytes Max. System Memory • 1 y Warranty
Processor upgrade board triples the throughput of the DEC PDP-11/24 UNIBUS computer. No hardware or software changes are required. Gives VAX-type speed for PDP-11/24 users.

Specialized Systems

Adac Corporation

1200 Series
Accommodates a wide range of analog and digital I/O modules that plug into the Q-bus backplane.

PICOBASYS
This system features PROM-based software with nonvolatile RAM, event-driven software and data transfer to Lotus 1-2-3 files.

Aptec Computer Systems Inc.

IOC-200
80MBytes Max. System Memory • Tape Drive Support • Disk Drive Support

IOC-24
256MBytes Max. System Memory • Tape Drive Support • Disk Drive Support • Terminal Support
The IOC-200 and IOC-24 are multiprocessor I/O computer systems for high-performance real-time and supercomputer applications of VAX/VMS CPUs. Feature high-speed memory.

Biscom Inc.

FAXCOM 1000+
Stores standard business forms and merges them with data files for transmission in letter-quality output.

Codar Technology Inc.

600M
32MBytes Max. System Memory • Tape Drive Support • Terminal Support • Printer Support • 1 y Warranty
Available with a MicroVAX II (32MB), MicroVAX 3500 (32MB), VAX 8250 or 8350 CPU. Features include shock-mounted 14x4 backplane, .6" board spacing and more.

600MD
64MBytes Max. System Memory • Tape Drive Support • Terminal Support • Printer Support • 1 y Warranty
Configuration allows for six Q-bus quad slots in support of one CPU, while the other CPU has eight slots available. Optional internal Ethernet LAN available.

Codex Corporation

4800 Series
120MBytes Max. System Memory • Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 1 y Warranty
Comprised of multimicroprocessor-based Distributed Network Processors (DNPs) that support simultaneous and continuous network support, and Network Control Terminals (NCTs) that serve as operator interfaces.

9800
348MBytes Max. System Memory • Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 1 y Warranty
Based on the Common Management Information Protocols of the International Organization for Standardization (ISO). Includes management application software, laser printer, monitor, keyboard and mouse.

Computer Products, Inc.

RTP
1 y Warranty
Computer independent data acquisition interface. Analog and digital input/output, thermocouple, and special function cards housed in an external 19" rackmount chassis.

Cyberchron Corporation

C630-RO
16MBytes Max. System Memory • Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 90 d Warranty
Compact system designed to provide shock and vibration isolation, Tempest compliance, EMI/RFI suppression, extreme temperature operation, and system parameter monitoring. Wide range of configuration options.

C630-SE
16MBytes Max. System Memory • Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 90 d Warranty
Standard model for the Army Micro Test Instrumentation System (Micro-TIS) program, providing Tempest compliance, shock and vibration isolation, extended temperature operation, and RFI/EMI suppression.

C650-SE
16MBytes Max. System Memory • Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 90 d Warranty
RFI/EMI suppression and Tempest compliant. Features Intelligent System Controller (ISC) to monitor critical system operating parameters, and built-in-test (BIT/BITE) options.

R8000-APA
64MBytes Max. System Memory • Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 90 d Warranty
May be used as the CPU for a system that utilizes the Disk Storage Assembly (DSA) for mass storage support. Standard model for Army ASAS (All Source Analysis System) program.

R8000-DSA
3.2GBytes Max. System Memory • Tape Drive Support • Disk Drive Support • 90 d Warranty
The DSA may be used as peripheral support for the R8000 Advanced Processor Assembly. Allows any removable drive to be powered down and removed without interrupting the system or remaining drives.

Dataram Corporation

Wide Word 2000
8-640MBytes Max. System Memory • 1 y Warranty
The Wide Word 2000 supports eight ports. It interfaces to data acquisition systems, host processors, array processors, graphics systems, and high-speed nonvolatile storage devices.

Gescan International Inc.

GESCAN
GESCAN systems provide full-text search without the use of an index. A hardware accelerator is utilized to eliminate indexing overhead and reduce CPU loads.

IMAGE-X

IMAGEmate
8MBytes Max. System Memory • Disk Drive Support • Terminal Support
The IMAGEmate is an 80386-25 based system rated at 5.4 MIPS that allows each image stored to be indexed as a database field. Features compression or expansion for maximum efficiency, a video memory buffer, and an AUTOcad interface.

TECHmate
24Bytes Max. System Memory • Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 90 d Warranty
The Techmate is an 80386-25-based system rated at 5.4 MIPS that integrates PCs and VAX systems. Features a built-in Ethernet card.

Kinetic Systems Corporation

2160
2 y Warranty
The 2160 features high speed, multisite control, monitoring, and data acquisition.

2165
2 y Warranty
The 2165 interfaces to the VAX BIbus, mounts within the logic cage, and operates with 8000-serial VAX-class computers, under the VMS operating system.

3000 Series
2 y Warranty
The 3000 Series is also available with options including transistors, triacs, relay contacts, and isolation.

3100 Series
2 y Warranty
The 3100 Series includes modules with a variety of D/A converters, 4-20mA output drivers, and power supply controllers.

3300 Series
2 y Warranty
The 3300 Series includes communication interfaces, dual pulse generators, stepping motor controllers, IEEE-488 interfaces, and digital/synchro converters.

3400 Series
2 y Warranty
The 3400 Series includes AC or DC voltages, optical isolation, change-of-state detection, strobed input, pulse outputs, manual input gates, or discrete input.

3500 Series
2 y Warranty
The 3500 Series includes multiplexers, signal conditioners, and single and multichannel A/D modules. Other features include scanning, autoranging, and solid-state and relay MUX.

3600 Series
2 y Warranty
The 3600 Series is available with low or high levels, variable rates, cyclic operation and interrupt modes. Also can preset count and directly measure frequency.

3700 Series
2 y Warranty
The 3700 Series controls feedback loop measurement, watchdog timing, power monitoring and machine tool diagnostics. Also include isolated and opto-isolated digital input, sampling, and totalizing.

4000 Series
2 y Warranty
The 4000 Series ranges from a self-contained two-channel transient recorder with on-board memory, to a 32- or 64-channel recording data logger set.

Tachion-I
1.37GBytes Max. System Memory • Disk Drive Support • 2 y Warranty
Uses Parallel Transfer Disk (PTD) technology and includes up to eight CAMAC crates that are interfaced to a high-speed differential bus.

Vantage 300 (3968)
2 y Warranty

Logicraft Inc.

LOGICRAFT

■ Logicraft produces multi-user DOS servers for VMS and Ultrix systems. Logicraft's family of Network PC Servers allow any DEC workstation or terminal to access MS-DOS or OS/2 applications. The servers also can function as OS/2 or MS-DOS gateways to PC local Area Networks such as Novell, 3COM or Token-Ring. Logicraft users can run MS-DOS programs and store the output directly onto host VAX's disk drive.
Logicraft's multi-user DOS servers support multiple MS-DOS sessions through a proprietary multitasking system. Dedicated performance is also available for applications requiring maximum speed and computing power.

386WARE
16MBytes Max. System Memory • Disk Drive Support • Terminal Support • Printer Support • 90 d Warranty
Logicraft's 386WARE DOS server enables any VT terminal or workstation to run standard IBM PC software such as Lotus 1-2-3, Wordperfect and dBase IV.

486Ware
16MBytes Max. System Memory • Terminal Support • Printer Support • 90 d Warranty
486Ware, a high-performance network server, gives VT terminals and workstations the ability to run MS-DOS applications, as well as network-based applications.

CD-Ware
16MBytes Max. System Memory • Terminal Support • Printer Support • 90 d Warranty
CD-Ware allows anyone using a VT terminal or DEC workstation to access PC-compatible CD-ROM applications.

HCP-11
768KBytes Max. System Memory • Terminal Support • 90 d Warranty
HCP-11 (Cardware) includes VT240 driver to support static PC graphics, IBM PC driver which gives PCs access to Cardware without reassigning function keys, keycaps, templates.

Omni-Ware
8MBytes Max. System Memory • Terminal Support • Printer Support • 90 d Warranty
Omni-Ware is a versatile coprocessor system that allows any user on a VAX network to access applications under OS/2, MS-DOS and Xenix.

LXE

200
Terminal Support • Printer Support
Combines a Computer Interface Unit (CIU) and a Radio Frequency Unit (RFU) into one unit for single RF channel communication. Supports up to 64 terminals.

220
Terminal Support
Two units consisting of a CIU, hard-wired to the host, and RFU which may be located thousands of feet away. Supports up to 64 terminals.

280
Terminal Support
Networking device that controls complex RF systems in large warehouses and multi-building facilities. Supports up to 320 terminals. Links wireless terminal networks by TCP/IP telnet protocol.

Microcom, Inc.

HDMS
1 y Warranty
An Intelligent Network Controller (INC) option maintains traffic statistics and network management, control and security for up to 256 high-performance MNP class 10V.32 modems.

Minolta Corporation

MinCAR
Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 90 d Warranty
MinCAR was designed for the 11/730, 750, 780, and 8600 CPUs and MicroVAX II. It interfaces to Minolta reader-printers and planetary recorders with the MinCAR software.

Oasys

AP/10 VAX
The AP/10 is a UNIBUS-compatible attached processor designed for VMS, Ultrix and 4.2 UNIX machines. It features resident compilers and offloads the CPU from intensive jobs such as CAE, "nroff" and "troff" simulations.

Opticomm Corporation

BUS-2000/RCV
Terminal Support • 6 mo Warranty
The Bus-2000/RCV may be used in conjunction with OPTICOMM RGB-3000 fi-

beroptic RGB video high-resolution and data links, enabling remoting multiple workstations up to 5.0km.

BUS-2000/XMT
Terminal Support • 6 mo Warranty
The Bus Extender is the latest in design technique to remote multiple interfaces such as: DR11-B, DR11-W, DRV11-B, DRV11-W by DEC VAX and PDP-11.

RGB-3000/RCV
Terminal Support • 6 mo Warranty
The RGB-3000/RCV fiber optic model receives computer generated video signals up to 100MHz (RS170, RS170A, and RS343A). Equipped with AGC and DC base line restoration.

RGB-3000/XMT
Terminal Support • 6 mo Warranty
The RGB3000/XMT supports one remote RGB workstation or three monochrome video display terminals at distances up to 10,000 feet from the graphics controller.

Paracom, Inc.

BBK-DR11
48KBytes Max. System Memory • 1 y Warranty
BBK-DR11 is a high-speed interface bridging standard DRH interfaces and Transputer systems up to 4MBytes per second.

BBK-Q
1 y Warranty
High-speed bridge between Q-bus and external Transputer boards or systems featuring four bidirectional DMA channels that interface to the Q-bus via four Transputer links.

Rugged Digital Systems Inc.

Ruggedized Computer
Tape Drive Support • Disk Drive Support • Terminal Support
Ruggedized VAXclusters, VAX 6000 series and MicroVAX II through MicroVAX 3900 with removable peripheral devices. RUGGED's products also include DECstation 3100 and VAXstation 3100 workstations.

Sequoia Systems Inc.

Series 300
2048Bytes Max. System Memory • Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support

Square D/Crisp Automation Systems

Cimitry
Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 1 y Warranty
PLCs, bar code readers, weigh scales, robots. Provides data acquisition, receipt management and more.

Systems Concepts Inc.

SA-11
Tape Drive Support • Disk Drive Support • Terminal Support • Printer Support • 1 y Warranty
Interfaces UNIBUS system to IBM mainframe peripheral subsystems. Handles data chaining, command chaining and data buffering.

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PROCESSORS

ARRAY PROCESSORS

Model	MIPS	MFLOPS	Bandwidth (MHZ)	DRAM (Bytes)	Max System Capacity (Bytes)	DMA Interface	Supported Bus Interface	Warranty	Price
Analogic Corporation 508 977-3030									
AP501		9.4		4M		Y	UNIBUS		$25,000
AP508		9.4		4M		Y	Q-bus	90 d	$25,000+
MSP-4		20		12M		Y	Q-bus	90 d	$25,000
CSPI 617 272-6020									
MAP-4000	10	40	10	8M	64M	Y	Q-bus	90 d	$20,500
Mini-MAP XL	3	38-280	10.7	5M	16M	Y	U/Q	90 d	$32,500
SuperCard SC/Turbo	20	80	40	2M	16M	Y	TURBO channel	90 d	$8,000
Interstate Electronics Corporation 714 758-0500									
QUEN 12	40	240							$125,600
QUEN 16	40	320							$159,600
QUEN 4	40	80							$55,200
QUEN 8	40	160							$90,600
Mercury Computer Systems 508 458-3100									
MC3200-252B	12	25		8M	8M	Y	Q-bus		$12,200+
MegaZIP		20-100							
NMX-332		24	24	256K	64M	Y	U/Q		$59,000
NMX-432		30	20	256K	64M	Y	U/Q		$73,000+
NMX-464		24	24	256K	65M	Y	U/Q		$65,000+
Numerix Corporation 617 964-2500									
NMX-332		24	24		64M	Y	U/Q		$61,030
NMX-432		30			64M	Y	U/Q		$81,580
NMX-464		12-24	24	16M	64M	Y	U/Q		$72,430
Sky Computers Inc. 508 250-1920									
SkyWarrior Q/20		20		256K	8M	Y	Q-bus	90 d	$10,900

DATABASE PROCESSORS

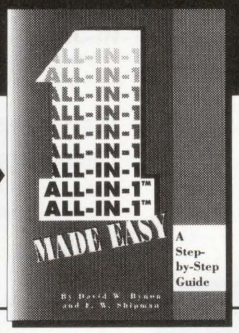
Model	On-line Back-up	Tape Back-up	Disk Mirroring	Memory Capacity (Bytes)	Operating System	# of Comm. Processors	# of Supported Users	Supported Interfaces	Performance Timing	Warranty	Price
Share Base (Britton Lee) 408 378-7000											
Server/300-25	Y	Y	Y	4M	VMS/Ultrix	4	5-100	TCP/IP	Y	90 d	$45,000
Server/700-240	Y	Y	Y	6M	VMS	4	100+	TCP/IP	Y	90 d	$206,550
Server/700-260	Y	Y	Y	6M	VMS/Ultrix	4	100+	TCP/IP	Y	90 d	$294,350
Server/8000-250	Y	Y	Y	32M	VMS/Ultrix	6	100+	TCP/IP	Y	90 d	$165,000
Server/8000-350	Y	Y	Y	32M	VMS/Ultrix	6	600+	TCP/IP	Y	90 d	$380,000
Server/8000-450	Y	Y	Y	256M	VMS	12	1000+	TCP/IP	Y	90 d	$570,000

IMAGE PROCESSORS

Model	Monitor Size	Color/ Monochrome	Resolution (dpi)	Zoom	Pan	Scroll	Memory Capacity (Bytes)	Gray Scale	# of Bits	Warranty	Price
Datacube, Inc. 508 535-6644											
QVG/AFA-423		M	768x204	Y	Y	Y	1536K	256	8	1 y	
DeRex Inc. 305 753-0840											
Champion II			300x300				5-32M				$5,595
Digital Instruments Corporation 800 222-IMAX											
IMAX		C/M	512x512	Y	Y	Y		256	8	1 y	$7,200
Perceptics Corporation 615 966-9200											
9200		C	4096x4096				32M				
Universal Computing 619 576-0592											
UC3000	19"	C	1024x1024	Y	Y	Y	2M		8	90 d	$10,000
Vicom Systems Inc. 415 498-3284											
Image Processors	19"	C/M	1024x1024	Y	Y	Y	32M	256	16	90 d	$40,000
IP8500/8400	19"	C	512x512	Y	Y	Y	20M	256	8	90 d	$40,000+
IP9000	19"	C	1280x1024	Y	Y	Y	65M	256	8	90 d	$59,000
The MASTER	19"	C	1600x1200	Y	Y	Y	896M	256	8	90 d	$50,000
VMEI	19"	C/M	1024x1024	Y	Y	Y	32M	256	16	90 d	$40,000

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Array Processors

Analogic Corporation

AP501
DMA Interface • UNIBUS Interface Supported

AP508
DMA Interface • Q-bus Interface Supported • 90 d Warranty
The AP508 and AP501 are 32-bit full floating-point array processors suitable for intensive mathematical operations, packaged in a ruggedized 5.25" chassis.

MSP-4
DMA Interface • Q-bus Interface Supported • 90 d Warranty
The MSP-4 is a 20Mflop array processor on a single board for a Q-bus.

CSPI

MAP-4000
10 MIPS • 64MBytes Max. System Memory • DMA Interface • Q-bus Interface Supported • 90 d Warranty
40Mflops vector processor for MicroVAXs, includes 500-function library for signal, image, seismic, and real-time processing.

Mini-MAP XL
3 MIPS • 16MBytes Max. System Memory • DMA Interface • U/Q Interface Supported • 90 d Warranty
32-bit array processor for high-speed, floating-point computation. Signal processing and image processing applications on UNIBUS, Q-bus, and BIbus to UNIBUS computer systems.

SuperCard SC/Turbo
20 MIPS • 16MBytes Max. System Memory • DMA Interface • TURBO Channel Interface Supported • 90 d Warranty
80Mflops vector processor based on 40 MHz Intel i860, up to 16MB memory, 500-function library for signal, image, seismic and real-time processing.

Interstate Electronics Corporation

QUEN 12

QUEN 16
40 MIPS

QUEN 4
40 MIPS

QUEN 8
40 MIPS
Processor elements have simultaneous control, computation, multidirectional communication capability. Processing elements are linked via asynchronous dual-port memories which have built-in processor communication control flags.

Mercury Computer Systems

MC3200-252B
12 MIPS • 8MBytes Max. System Memory • DMA Interface • Q-bus Interface Supported
25Mflops/12 MIPS vector/scalar RISC processing power to dramatically speed 32- and 64-bit, floating-point, C, and Fortran applications. Fortran compiler includes VAX/VMS extensions.

MegaZIP
MegaZIP is a modular, parallel processing array processor system designed for computationally intensive digital signal acquisition.

Numerix Corporation

NMX-332
64MBytes Max. System Memory • DMA Interface • U/Q Interface Supported
The NMX-332 provides software compatibility with the NMX-432 and 24MB/sec. DMA ports in a compact footprint.

NMX-432
64MBytes Max. System Memory • DMA Interface • U/Q Interface Supported
The NMX-432 is a 32-bit floating-point array processor with 20MB/sec. DMA ports. It is supported with a Fortran optimizing compiler.

NMX-464
64MBytes Max. System Memory • DMA Interface • U/Q Interface Supported
The NMX-464 processor combines dual speed with dual precision (32- or 64-bit) and 24MB/sec. DMA Ports. It also features 256K instructions of program memory.

Sky Computers Inc.

SkyWarrior Q/20
8MBytes Max. System Memory • DMA Interface • Q-bus Interface Supported • 90 d Warranty
Designed for MicroVAX II and 3500 and 3600 computers. Features a 32-/64-bit floating point processor, 16-64KB cache memory, and a high-level vector subroutine library.

Database Processors

Share Base (Britton Lee)

Server/300-25
On-line Backup • Tape Backup • Disk Mirroring • TCP/IP Supported • Performance Timing • 90 d Warranty

Server/700-240
On-line Backup • Tape Backup • Disk Mirroring • TCP/IP Supported • Performance Timing • 90 d Warranty

Server/700-260
On-line Backup • Tape Backup • Disk Mirroring • TCP/IP Supported • Performance Timing • 90 d Warranty

Server/8000-250
On-line Backup • Tape Backup • Disk Mirroring • TCP/IP Supported • Performance Timing • 90 d Warranty

Server/8000-350
On-line Backup • Tape Backup • Disk Mirroring • TCP/IP Supported • Performance Timing • 90 d Warranty

Server/8000-450
On-line Backup • Tape Backup • Disk Mirroring • TCP/IP Supported • Performance Timing • 90 d Warranty
Share Base SQL Database servers provide high-performance shared relational databases for a wide variety of client systems for decision support and transaction processing applications.

Image Processors

Datacube, Inc.

QVG/AFA-423
768x2048 dpi Resolution • Zoom • Pan • Scroll • 1 y Warranty
The QVG/AFA-423 is a Q-bus-based, four frame, high- resolution device that features a hardware-generated alphanumeric overlay and a video buffer that is used to acquire, store, and display multiple images.

DeRex Inc.

Champion II
300x300 dpi Resolution
Emulates the LN03 and the LN03+ and supports DeRex's S3000 II and S4500 II ion deposition printers.

Digital Instruments Corporation

IMAX
512x512 dpi Resolution • Zoom • Pan • Scroll • 1 y Warranty
IMAX...Add-in Image Display/Data Analysis system for the MicroVAX II. Extremely powerful interactive high-level imaging, signal processing and data manipulation.

Perceptics Corporation

9200
4096x4096 dpi Resolution
The 9200 features real-time pixel and fast frequency domain processing and an embedded 68010 microprocessor with Resident Image Processing Software (RIPS) in PROM.

Universal Computing

UC3000
19" Monitor • 1024x1024 dpi Resolution • Zoom • Pan • Scroll • 90 d Warranty
The UC3000 features 30M bps image memory access that is tightly coupled to a 40Mflop array processor. Also features dual 1Kx1Kx8bit memory and provides an order of magnitude speed increase for VAX GPX systems.

Vicom Systems Inc.

Image Processors
19" Monitor • 1024x1024 dpi Resolution • Zoom • Pan • Scroll • 90 d Warranty
The Vicom-VME is a deskside image processing workstation built around a Sun SPARC microcomputer. It offers separate modules for image acquisition, processing and display.

IP8500/8400
19" Monitor • 512x512 dpi Resolution • Zoom • Pan • Scroll • 90 d Warranty
Also available with a 1024x1024 resolution. Look-up tables are provided on each memory board for image enhancement purposes.

IP9000
19" Monitor • 1280x1024 dpi Resolution • Zoom • Pan • Scroll • 90 d Warranty
The Vicom IP9000 Series features processing elements that enhance the ability to quickly manipulate, process and analyze the images stored in the IP9000.

The MASTER
19" Monitor • 1600x1200 dpi Resolution • Zoom • Pan • Scroll • 90 d Warranty
Master Series data visualization server combining the strengths of image processing systems and graphics workstations with standards-based general computing environment compatibility.

VMEI
19" Monitor • 1024x1024 dpi Resolution • Zoom • Pan • Scroll • 90 d Warranty
Vicom-VME deskside image processing workstation built around a Sun SPARC microcomputer. Utilizes a bus structure in image memories, dedicated processors.

COMMUNICATION CONTROLLERS

Model	# of Ports	# With Modem Control	RS423	Bus Loading	Operating Modes	On-board Diagnostics	Max Baud Rate (bps)	Supported CPUs	Warranty	Price
Able Computer 714 553-1188										
AU 220	16		Y	1 DC	FDX	Y	19.2K	UNIBUS	1 y	$2,600
Camintonn Corporation 714 553-0247										
CM-CXY08	8	8	Y	2AC/1AC	FDX	Y	38.4K	Q-bus	1 y	
CM-DHQ11	8	8	Y	2AC/1DC	FDX	Y	38.4K	Q-bus	1 y	
CM-DHV11-C	8	8	Y	2AC/1DC	FDX	Y	38.4K	Q-bus	1 y	
CM-DHV16-D	16		Y	2AC/1DC	FDX	Y	38.4K	Q-bus	1 y	
CM-DLV11-J	4		Y	2AC/1DC	FDX	Y	38.4K	Q-bus	1 y	
CMC 805 968-4262										
ENP-40								UNIBUS	1 y	
Dyna Five Corporation 714 525-8795										
D5-CI100-4							38.4K	Q-bus		
D5-CI100-8							19.2K	Q-bus		
D5-CI101-16							38.4K	Q-bus		
D5-CI101-8							38.4K	Q-bus		
MDB Systems Inc. 714 998-6900										
MDB-DR11-W								UNIBUS	1 y	$1,345
MLSI-DR11-W Plus								Q-bus	1 y	$1,250
MLSI-WLL11								UNIBUS		$895
MV-DR11-W								Q-bus	1 y	$1,100
The Logical Company 503 942-3610										
CCQ-1100	8	8	Y	1AC/1DC	FDX	Y	38.4K	Q-bus	1 y	$875
CCQ-1101	16		Y	1AC/1DC	FDX	Y	38.4K	Q-bus	1 y	$875
CCQ-1400	8	8		1AC/1DC	FDX	Y	19.2K	Q-bus	1 y	$1,100
CCQ-1401	8	8		1AC/1DC	FDX	Y	38.4K	Q-bus	1 y	$1,100
CCQ-1600	16	16	Y	1AC/1DC	FDX	Y	38.4K	Q-bus	1 y	$2,570
CCQ-1601	16	16	Y	1AC/1DC	FDX	Y	38.4K	Q-bus	1 y	$2,770
CCU-1000	16	16		1AC/1DC	FDX	Y	38.4K	UNIBUS	1 y	$1,750
CCU-1100	16	16		1	FDX	Y	38.4K	UNIBUS	1 y	$1,750
CCU-1200	16	16		1	FDX	Y	9600	UNIBUS	1 y	$1,750
CCU-1300	4			1AC/1DC	FDX/HDX		9600	UNIBUS	1 y	$1,000
CCU-1301	4			1AC/1DC	FDX/HDX		9600	UNIBUS	1 y	$1,000
CCU-1302	4	4		1AC/1DC	FDX/HDX		9600	UNIBUS	1 y	$1,500
Xyplex Inc. 800 338-5316										
Host Interface Unit								U/Q		$3,700

COMMUNICATION PROCESSORS

Model	# of Ports	Type of Firmware	Network Line Speed (bps)	DRAM (Bytes)	PROM (Bytes)	Type of Processor	MPU	System Capacity (Bytes)	Supported Hosts	DTE/DCE	Warranty	Price
Advanced Computer Communications (ACC) 805 963-9431												
ACP 5100	1	HDLC	1.544M	512K		FEP	1	256K-1M	Q-bus	Y/Y	90 d	$4,200
ACP 5250	1	X.25	300K	512K		FEP	1		Q-bus	Y/Y	90 d	$4,200
ACP 6100	1	HDLC	1.544M	256K		FEP	1	256K-1M	UNIBUS	Y/Y	90 d	$6,490
ACP 6250	1	X.25	1.5M	256K		FEP	1			Y/Y	90 d	$6,490
Incotel Inc. 212 594-8340												
IMX-700	500		56K			Msg Switch	8M		Bibus		90 d	$150,000
Micro IMX-700	128		56K			Msg Switch	5M		Q-bus		90 d	$75,000
LANTEK 415 549-0928												
BBMASTER	240	SDLC	2.4M	32K	8K	Intel 8044	Y		Q-bus	Y/Y	2 y	$2,800
Microtronix Datacom Ltd. 519 681-3430												
KXJ-X.25	128	X.25	56K			FEP	64K		Q-bus	Y/Y		
LSI-X.25	5	X.25	56K			FEP	64K		UNIBUS	Y/Y	90 d	$9,900
Racal-Milgo 800 RACAL-55												
DPAX 1100	64	X.25	72K	64K		MPU			PSI	Y/Y	90 d	$6,595
DPAX 2100		X.25	72K	64K		MPU			PSI	Y/Y	90 d	$8,500
Omnimux PNP-200	34	X.25	.5M	32K	64K	68010	1				90 d	$19,300
Omnimux PNP-4000	480	X.25	2M	64K	128K	68020	1-3				90 d	$69,260
Omnimux PNP-5000	448	X.25	4M	64K	128K	68020	2-5				90 d	$99,650
Omnimux PNP-600	192	X.25	1M	32K	64K	68010	1-2				90 d	$38,800
Series 300	100+		72K			MPU			PSI/U/LAT		90 d	$12,000
Simpact Associates Inc. 619 565-1865												
EXC1612	12		9600		64K	FEP				Y/Y	1 y	$2,000
EXC3212	12				64K	FEP	1		Q-bus	Y/Y	1 y	$4,200
ICP1600	8	EPROM	614K	256K	15K	FEP	1256K		UNIBUS	Y/Y	1 y	$6,000
ICP1622	4	EPROM	614K	512K	15K	FEP	1	512K	Q-bus	Y/Y	1 y	$3,600
ICP1632	4	EPROM	1.544M	1M	16K	FEP	1	1M	VAXBI	Y/Y	1 y	$8,000
ICP3200 Series	4	EPROM	1.544M	2.5M	128K	FEP	1		Q-bus	Y/Y	1 y	$5,600+
VCI 8000	16	EPROM	1.544M	2.5	128K	FEP	1		VME	Y/Y		
Software Results Corporation 614 785-0282												
COMBOARD/SNA-1251	1		64K			FEP	1	256K	UNIBUS		120 d	$7,500
COMBOARD/SNA-1252	1		64K			FEP	1	256K	Q-bus		120 d	$6,500
COMBOARD/SNA-651	1		64K			FEP	1	256K	UNIBUS		120 d	$6,300
COMBOARD/SNA-652	1		64K			FEP	1	256K	Q-bus		120 d	$5,200
COMBOARD/SNA-751	1		64K			FEP	1	256K	UNIBUS		120 d	$7,100
COMBOARD/SNA-752	1		64K			FEP	1	256K	Q-bus		120 d	$6,100

COMMUNICATION PROTOCOL INTERFACES

Model	# of Ports	FEP	Supported Hosts	Single line Data Rate (bps)	Multi line Data Rate (bps)	Operating System	Software Included	Supported Interfaces	Warranty	Price
Method Systems, Inc. 800 533-6116										
PCT-100	2			19.2K	19.2K			RS232	1 y	$495
Micom Communications Corporation 805 583-8600										
MB3-SPC	4-16	Y		19.2K	19.2K		Y	RS232	3 y	$2,885+
Purvis Systems, Inc. 401 849-4750										
Q-bus/NTDS			Q-bus			VMS			90 d	$3,400
UNIBUS/NTDS			UNIBUS			RSX/VMS	Y		90 d	$5,400
Simpact Associates Inc. 619 565-1865										
CPI 1000/BSC 2780/3780	4-8	Y	Q-bus	56K	9.6K	VMS/UL/MRSX	Y	EIA232/449/V.35	1 y	$1,000+
CPI 10100/BSC 3270	4-8	Y	UNIBUS	56K	19.2	VMS/UL/RSX	Y	EIA232/449/V.35	1 y	$5,600+
CPI 10200/FMP	4-8	Y	UNIBUS	56K	19.2K	VMS/UL/RSX	Y	EIA232/449/V.35	1 y	$7,000+
CPI 10300/HASP	4-8	Y	UNIBUS	56K	19.2K	VMS/UL/RSX	Y	EIA232/449/V.35	1 y	$7,000+
CPI 10400	4-8	Y	UNIBUS	56K	19.2K	VMS/UL/RSX	Y	EIA232/449/V.28	1 y	$7,000+
CPI 11000/Async	4-8	Y	UNIBUS	57.6K	19.2K	VMS/UL/RSX	Y	EIA232/449/V.28	1 y	$5,600
CPI 12000/SNA	2	Y	Q-bus	56K	56K	VMS/UL/MRSX	Y	EIA232/449/V.28	1 y	$8,975+
CPI 13000/AUTODIN	4	Y	Q-bus	19.2K	4800	VMS	Y	EIA232/449/V.28	1 y	$9,500+
CPI 3000/HDLC	4-8	Y	UNIBUS	1000K	19.2K	VMS/UL/RSX	Y	EIA232/449/V.28	1 y	$4,300+
CPI 4000/ADCCP NRM	4-8	Y	UNIBUS	19.2K	9.6K	VMS/UL/RSX	Y	EIA232/449/V.28	1 y	$7,000+
CPI 4200/ADCCP ABM	4-8	Y	UNIBUS	1000K	19.2K	VMS/UL/RSX	Y	EIA232/449/V.28	1 y	$7,000+
CPI 5000/SDLC	4-8	Y	UNIBUS	19.2K	19.2K	VMS/UL/RSX	Y	EIA232/449/V.28	1 y	$5,600+
CPI 8000/DDCMP	4-8	Y	Q-bus	1000K	19.2K	VMS	Y	EIA232/449/V.28	1 y	$5,000+
CPI 8020/DDCMP	4	Y	BIbus	1000K	19.2K	VMS	Y	EIA232/449/V.28	1 y	$11,000
CPI 8030/DDCMP	4	Y	Q-bus	1000K	19.2K	VMS	Y	EIA232/449/V.28	1 y	$5,000+
CPI 9000/DDN	4-8	Y	UNIBUS	307K	19.2K	VMS/ULTRIX	Y	EIA232/449/V.35	9 mo	$12,400+
Software Results Corporation 614 785-0282										
COMBOARD-HASP-1231	1	Y	UNIBUS	56K		VMS/UNIX	Y	RS232/V.24/V.28	120 d	$6,500
COMBOARD-HASP-1252	1	Y	Q-bus	56K	N/A	VMS/UNIX	Y	RS232/V.24/V.28	120 d	$5,500
COMBOARD-HASP-631	1	Y	UNIBUS	9600		VMS/UNIX	Y	RS232/V.24/V.28	120 d	$5,300
COMBOARD-HASP-652	1	Y	Q-bus	4800	N/A	VMS/UNIX	Y	RS232/V.24/V.28	120 d	$4,600
COMBOARD-HASP-731	1	Y	UNIBUS	19.2K		VMS/UNIX	Y	RS232/V.24/V.28	120 d	$6,100
COMBOARD-HASP-752	1	Y	Q-bus	19.2K	N/A	VMS/UNIX	Y	RS232/V.24/V.28	120 d	$5,200
COMBOARD-SNA-1252	1	Y	Q-bus	56K	N/A	VMS/UNIX	Y	RS232/V.24/V.28	120 d	$6,500
COMBOARD-SNA-652	1	Y	Q-bus	9600	N/A	VMS/UNIX	Y	RS232/V.24/V.28	120 d	$5,200
COMBOARD-SNA-752	1	Y	Q-bus	19.2K	N/A	VMS/UNIX	Y	RS232/V.24/V.28	120 d	$6,100
COMBOARD/3780-1231	1	Y	UNIBUS	56K		VMS	Y	RS232/V.24/V.28	120 d	$6,100
COMBOARD/3780-631	1	Y	UNIBUS	9600		VMS	Y	RS232/V.24/V.28	120 d	$4,900
COMBOARD/3780-731	1	Y	UNIBUS	19.2K		VMS	Y	RS232/V.24/V.28	120 d	$5,700
Thomas Engineering Company 800 832-8649										
MPG	8			19.2K	10M	DOS286	Y	Ethernet, Token Ring	1 y	$5,995
TES	12		Non-DEC	10M	10M	DOS286	Y	Ethernet, Token Ring	1 y	$3,995
Uni-Tec	40		Non-DEC	19.2K	56K	Proprietary	Y	RS232	1 y	$3,495+

COMMUNICATIONS SERVERS

Model	# of Ports	Transmission Type	Max Baud Rate (bps)	LAN Interface	WAN Interface	LAT Compatible	Ethernet/ Thin Wire	Rackmount/ Standalone	Network Interface	Printer Support	Warranty	Price
Camintonn Corporation 714 553-0247												
Translaser	3	Async	38.4					S		Y	90 d	$1,295
Micom Communications Corporation 805 583-8600												
Series 40	2036	Async	19.2K	Y	Y	Y	E/T	R/S		Y	3 y	
Mitek OpenConnect Systems 214 490-4090												
M2030/M2130	256	Async	256K	Y	Y		E/T	R/S	802.3	Y	90 d	$18,500+
Xyplex Inc. 800 338-5316												
MX-MAX-1800-E	5	Async	38.4K	Y		Y	E/T	R/S	802.3	Y	3 y	$4,395
MX-MAX1100T	16	Async	38.4K	Y			E/T	R/S	802.3	Y	3 y	$3,395
MX-MAX1500-E	16	Async	38.4K	Y		Y	E/T	R/S	802.3	Y	3 y	$3,795
MX-MAX4500-E/y	5	A/S	10M	Y	Y	Y	E	R/S	802.3	Y	3 y	$3,995
MX-MAX5000-E1	16	A/S	10M	Y	Y	Y	T	R/S	802.3	Y	3 y	$9,995
MX-MAX5500-E	16	A/S	10M	Y	Y	Y	E	R/S	802.3	Y	3 y	$13,495

MODEMS

Model	Max Baud Rate (bps)	Max Mile Range	Modem Type	Auto Dial	Alternate Voice	Operating Modes	Transmission Type	Rackmount/ Standalone	Compatibility (Bell/CCITT)	Warranty	Price
AT&T Paradyne Corporation 813 530-2000											
3450	14.4K		Leased Line	Y		FDX	A/S	S	V.33	1 y	
3470	19.2K		Leased Line	Y		FDX	A/S	S	V.33	1 y	
34x0	19.2K		Leased Line	Y		FDX/HDX	A/S	S	V.22	1 y	
34x1	19.2K		Leased Line			FDX/HDX	A/S	R	V.26/.33	1 y	
34x3	19.2K		Leased Line			FDX/HDX	A/S	R	V.26/.33	1 y	
Black Box Corporation 412 746-5500											
1200HC	1200	Unltd	Voice Band	Y		FDX	Async	S	212A/103	3 y	$175
201 BC/AS	2400	Unltd	Voice Band			FDX/HDX	A/S	R/S	201B/C	3 y	$685
208 A/B	4800	Unltd	Voice Band			FDX/HDX	Sync	R/S	208A/B	3 y	$1,295
208 AB/AS	4800	Unltd	Voice Band			FDX/HDX	A/S	R/S	208A/B	3 y	$1,295
224 ATD	2400	Unltd	Voice Band	Y		FDX	A/S	R	V.22/212A	3 y	$500
2400 HC	2400	Unltd	Voice Band	Y		FDX	A/S	S	212A/103	3 y	$375
2400 Security Modem	2400	Unltd	Voice Band	Y		FDX	Async	R/S	V.22/212A	3 y	$795
2400/120	2400	Unltd	Leased Line			FDX/HDX	A/S	S	201B/V.26	3 y	$825
3/12 NPR	1200	Unltd	Voice Band			FDX	Async	S	212A/103	3 y	$199
9600 FP	9600	Unltd	Voice Band			FDX/HDX	Sync	R/S		3 y	$1,995
All-in-One	19.2K			Y		FDX	A/S	R/S	V.22/V.32		$1,245+
CSU/DSU	9600	Unltd	DDS Ntwrk			FDX/HDX	A/S	S		3 y	$825
CSU/DSU V.35	56K	Unltd	DDS Ntwrk			FDX/HDX	Sync	S		3 y	$770
Modem Rack										3 y	$895
Security Modem	1200	Unltd	Dialup	Y		FDX	Async	S	212A/103	3 y	$595
V.32	9600	Unltd	Dialup	Y		FDX	A/S	S	V.32/212A	3 y	$1,595

MODEMS

Model	Max Baud Rate (bps)	Max Mile Range	Modem Type	Auto Dial	Alternate Voice	Operating Modes	Transmission Type	Rackmount/ Standalone	Compatibility (Bell/CCITT)	Warranty	Price
Bo-Sherrel Company, Inc. 415 792-0354											
LD-3M	19.2K	10	Line Driver			FDX	Async	S		2 y	$69
M-1AR	19.2K	10	Ltd Dist			FDX	Async	R/S	3081	2 y	$138
M-3	19.2K	10	Line Driver			FDX	Async	S	3081	2 y	$49
M-5S	38.4K	10	Short Haul			HDX	Async	S	3081	2 y	$219
M-E	38.4K		Eliminator				A/S	R/S		2 y	$249
Canoga-Perkins 818 718-6300											
2121	19.2K		Fiber Optic			FDX	Async			1 y	$125
2250	153.6K		Fiber Optic				A/S	R/S		1 y	$695
2260	2.048M		Fiber Optic					R/S		1 y	$795
2270	20M		Fiber Optic				A/S	R/S		1 y	$3,095
2280	12.6M		Fiber Optic				A/S	R/S		1 y	$895
2290	12.6M		Fiber Optic				A/S	R/S		1 y	$1,095
Case/Datatel 800 424-4451											
DCD3157	64K	.25	Ltd Dist				A/S	R	43401		$510
DCP3000	64K	.25	Ltd Dist				Async	S	43401		$200
DCP3020	64K	.25	Ltd Dist				Async	S	43401		$250
DCP3050	19.2K	1	Ltd Dist				A/S	S	43401		$420
DCP3055	19.2K	1	Ltd Dist				A/S	S	43401		$550
DCP3057	64K	.25	Ltd Dist				A/S	S	43401		
DCP3080	56K	2	Ltd Dist				Sync	S			$735
DCP3083	56K	2	Ltd Dist				Sync	S			$995
DCP3100	64K	.25	LTD Dist				Async	R	43401		$190
DCP3120	64K	.25	LTD Dist				Async	R	43401		$240
DCP3150	19.2K	1	LTD Dist				A/S	R	43401		$380
DCP3155	19.2K	1	Ltd Dist				A/S	R	43401		$510
DCP3180	56K	2	Ltd Dist				Sync	R			$625
DCP3183	56K	2	Ltd Dist				Sync	R			$750
Codex Corporation 508 261-4000											
2171 LDM	19.2K	26	Ltd Dist			FDX/HDX	A/S	R/S		1 y	$775
2172 LDM	80K	9	Ltd Dist			FDX/HDX	Sync	R/S		1 y	$730
2173 LDSU	9.6K	26	LDM	Y			A/S		43401/41028	1 y	$995
2174 LDSU	8K	9	LDM	Y			A/S		41028	1 y	$1,030
2177 LDSU	19.2K	23	Ltd Dist			FDX/HDX	Async	R/S		1 y	$320
2205	4800		Voice Band	Y		FDX/HDX	Sync	S	208A/B	1 y	$1,295
2206	9600		Voice Band			FDX/HDX	Sync	S	V.29	1 y	$1,995
2219	1200		Voice Band			FDX/HDX	Async	R/S	202S/T	1 y	$375
2234	2400	Unltd	Voice Band	Y		FDX	A/S	S	103/212	1 y	$495
2239	2400	Untld	Voice Band	Y		FDX	A/S	R	212/103	1 y	$895
2264	9.6K		Voice Band	Y		FDX	A/S	R/S	V.32/V.22	1 y	$1,695
2320	4800		Voice Band			FDX/HDX	A/S	R/S	V.27	1 y	$1,595
2340	9.6K		Voice Band			FDX/HDX	A/S	R/S	V.29	1 y	$1,650
2362	14.4K	Unltd				FDX	A/S	R/S	V.29/V.33	1 y	$2,740
2680	19.2K	Unltd	Voice Band			FDX/HDX	Sync	S	V.24/V.28	1 y	$7,315+
Computer Products, Inc. 305 974-5500											
GT303	2400			Y			Async	R	103/212A	1 y	$990

MODEMS

Model	Max Baud Rate (bps)	Max Mile Range	Modem Type	Auto Dial	Alternate Voice	Operating Modes	Transmission Type	Rackmount/ Standalone	Compatibility (Bell/CCITT)	Warranty	Price
CXR Telcom Corporation 408 435-8520											
1212-AD3H	1200	Unltd	Voice Band	Y	Y	FDX	A/S	S	103/212A	1 y	$495
1212-STH	1200	Unltd	Voice Band	Y	Y	FDX	A/S	S	212A/103	1 y	$295
1243-223	1200	Unltd	Voice Band			FDX	A	R/S	212/V.23	1 y	$995
1951-1D	19.2K	Unltd	Voice Band	Y		FDX	A/S	R/S	Proprietary	1 y	$2,495
2412-STH	2400	Unltd	Voice Band	Y	Y	FDX	A/S	S	V.22/212A	1 y	$495
2441-1	2400	Unltd	Voice Band	Y	Y	FDX	A/S	R/S	V.22/212A	1 y	$695
2441-2	2400	Unltd	Voice Band	Y	Y	FDX	A/S	R/S	V.22/212A	1 y	$495
9632-STH	9600	Unltd	Voice Band	Y	Y	FDX	A/S	S	V.32/103	1 y	$1,085
9641-1	9600	Unltd	Voice Band			FDX	A/S	R/S	V.29	1 y	$1,295
9641-1D	9600	Unltd	Voice Band	Y		FDX	A/S	R/S	V.29	1 y	$1,595
9641-1F	9600	Unltd	Voice Band			FDX	A/S	R/S	V.29	1 y	$1,595
9641-1FD	9600	Unltd	Voice Band	Y		FDX	A/S	R/S	V.29	1 y	$1,895
9651-1MV	9600	Unltd	Voice Band	Y	Y	FDX	A/S	R/S	V.32/212A	1 y	$1,545
9651-2MV	9600	Unltd	Voice Band	Y	Y	FDX	A/S	R/S	V.32/212A	1 y	$1,395
Datacom Technologies, Inc. 206 355-0590											
192	19.2K					FDX/HDX	A/S	S		1 y	$259
193	19.2K					FDX/HDX	A/S	R		1 y	$239
300	19.2K	10	Short Haul				Async	R/S		1 y	$139
400	19.2K	10	Short Haul				Sync	R/S		1 y	$159
DCB Inc. 800 637-1127											
PL 14.4	14.4K	Unltd	Voice Band			FDX	Sync	R/S		1 y	$1,800
PL 14.4 Plus	14.4K	Unltd	Voice Band			FDX	Sync	R/S		1 y	$2,300
PL 19.2 Plus	19.2K	Unltd	Voice Band			FDX	Sync	R/S		1 y	$4,900
PL 4.8	4800	Unltd	Voice Band			FDX/HDX	Sync	R/S	V.27	1 y	$900
PL 4.8 Plus	4800	Unltd	Voice Band			FDX/HDX	Sync	R/S	V.27	1 y	$1,400
PL 9.6	9600	Unltd	Voice Band			FDX	Sync	R/S	V.29	1 y	$1,400
PL 9.6 Plus	9600		Voice Band			FDX	Sync	R/S	V.29	1 y	$1,900
Fairchild Data Corporation 602 949-1155											
M8023	10M	2	Ethr BrdBnd			FDX	Async	R/S		1 y	$2,690
Fastcomm Data Corporation 703 620-3900											
FDX 2448B	2400	Unltd	V.22 bis	Y	Y	FDX	Async	S	212A/V.22	1 y	$399
FDX 2448LL	4800	Unltd	V.22 bis	Y	Y	FDX	A/S	S	212A/103	2 y	$679
FDX 9624	19.2K	Unltd	Asymmetric	Y	Y	FDX	Async	S	V.32/V.22	2 y	$899
FDX 9696	19.2K	Unltd	V.32	Y	Y	FDX	A/S	S	212A/103	2 y	$999
FDX 9696B	19.2K	Unltd	V.32	Y	Y	FDX	Async		212A/V.32	2 y	$999
FDX 9696RM	19.2K	Unltd	V.32	Y	Y	FDX	A/S	R	212A/103	2 y	$999
FDX 9696RMV	19.2K	Unltd	V.32	Y	Y	FDX	A/S	R	212A/103	2 y	$1,299
FDX 9696S	19.2K	Unltd	V.32	Y	Y	FDX	A/S	S	212A/103	2 y	$1,199
FDX 969LL	19.2K	Unltd	V.32	Y	Y	FDX	A/S	S	212AS/103	2 y	$1,299
Gandalf Data, Inc. 800 722-9638											
ACCESS 24A	2400	Unltd	Voice Band	Y	Y	FDX	A	S	103/212		$350
DOV 640	64K		Private Line		Y		A/S	R/S			$325
LDM 192	19.2K	200	Leased Line			FDX	A/S	R/S			$2,695
LDM 419	9600	200	Voice Band			FDX	A/S	R/S			$1,095
LDS 120E	19.2K	2.5	Short Haul			FDX/HDX	Async	R/S			$325
LDS 309A	19.2K	17	Short Haul			FDX/HDX	A/S	R/S			$500

MODEMS

Model	Max Baud Rate (bps)	Max Mile Range	Modem Type	Auto Dial	Alternate Voice	Operating Modes	Transmission Type	Rackmount/ Standalone	Compatibility (Bell/CCITT)	Warranty	Price
Gandalf Data, Inc. 800 722-9638 (continued)											
LH 208	4800	Unltd	Voice Band		Y	FDX/HDX	A/S	R/S	208A/B		$1,295
LH 96FP	9600	Unltd	Voice Band			FDX/HDX	Sync	R/S	V.29		$1,995
LH14.4	9600	Unltd	Voice Band			FDX	Sync	R/S	V.29	1 y	$2,995
mLDS 122	9600	4	Short Haul			FDX	Async				$100
mLDS 123E	19.2K	4.5	Short Haul			FDX	Async				$125
mLDS 123X	19.2K	4.5	Short Haul			FDX	Async				$135
General Datacomm Industries 203 574-1118											
DataComm 19202A	19.2K	Unltd	Private Lne	Y			A/S	R/S		1 y	$4,495
DataComm 296B	906K	Unltd	Swt Ntwk	Y	Y	FDX	A/S	R/S	V.32	1 y	$1,455
DataComm 596	9.6K	Unltd	Swt Ntwk	Y	Y	FDX	A/S	R/S	V.32	1 y	$1,395
Desktop 9600 RPA	9.6K	Unltd	Leased Line	Y		FDX	A/S	S	V.29	1 y	$1,595
Desktop V.29 RPA	9.6K							S	V.29	1 y	$1,595
GDC 19202A ADR	19.2K	Unltd	Swt Ntwk	Y	Y	FDX	A/S	R/S	V.32	1 y	$5,495
Lan Systems, Inc. 415 566-4798											
LAN-A1	19.2K	18	Short Haul			FDX/HDX	Async	R/S	3001	2 y	$68
LAN-A1-8	19.2K	18	Short Haul			FDX/HDX	Async	R/S	3001	2 y	$545
LAN-A2	38.4K	5	Short Haul			FDX/HDX	Async	R/S	3001	2 y	$79
LAN-A8	38.4K	.5	Short Haul			FDX/HDX	Async	S	3001	2 y	$139
LAN-HSME	892K	.2	Eliminator			FDX/HDX	S/A	R/S		2 y	$395
LAN-MAM8 PLUS	19.2K	10	Short Haul			FDX/HDX	Async	R/S	3001	2 y	$395
LAN-ME	64K	.2	Eliminator			FDX/HDX	A/S	R/S		2 y	$225
LAN-S1	38.4K	10.5	Short Haul			FDX/HDX	A/S	R/S	3001	2 y	$195
LAN-S2	38.4K	3	Short Haul			FDX/HDX	A/S	R/S	3001	2 y	$255
Microcom, Inc. 617 551-1000											
AX/2400	2900			Y	Y	FDX	A/S	R/S	V.22/212A	1 y	
AX/2400c	4800			Y	Y	FDX	A/S	R/S	V.22/212A	1 y	$599
AX/9624c	19.2K			Y	Y	HDX	A/S	R/S	V.29/212A	1 y	$999
QX/12K	12K			Y				R/S	103/212A		
QX/2400T	12.0K			Y	Y	FDX	A/S	R/S	V.22/103	1 y	$699
QX/3296C	19.2K			Y	Y	FDX	A/S	R/S	V.22/212A	1 y	$1,199
Qx/3296Hs	30.0K			Y	Y	FDX	A/S	R/S	V.42/212A	1 y	
QX/V.32c	30K			Y	Y	FDX	A/S	R/S	V.32/212A	1 y	$1,599
Multi-Tech Systems, Inc. 800 328-9717											
MT208AH	4800			Y	Y	FDX/HDX	A/S	S	V.26/208A	2 y	$999
MT212EH	2400			Y	Y	FDX/HDX	A/S	S	212A/V.22	2 y	$349
MT212ER	1200			Y	Y	FDX/HDX	A/S	R/S	V.21/212A	2 y	$310
MT224E7	2400			Y	Y	FDX/HDX	A/S	S	V.21/212A	2 y	$549
MT224EH	2400			Y	Y	FDX/HDX	A/S	S	V.22/212A	2 y	$499
MT224ER	2400			Y	Y	FDX/HDX	A/S	R/S	V.22/212A	2 y	$390
MT224ES	2400			Y	Y	FDX/HDX	Async	S	V.22/212A	2 y	$449
MT224PS	2400			Y		FDX/HDX	Async		212A/V.22	2 y	$399
MT3270											
MT3270PS											
MT696E	4600			Y	Y	FDX/HDX	A/S	S	V.21/212A	2 y	$795
MTV27/26											
Multimodem V32	9600			Y	Y	FDX/HDX	A/S	S	V.22/212A	2 y	$1,099

MODEMS

Model	Max Baud Rate (bps)	Max Mile Range	Modem Type	Auto Dial	Alternate Voice	Operating Modes	Transmission Type	Rackmount/ Standalone	Compatibility (Bell/CCITT)	Warranty	Price
N.E.T. Access Products Division 805 562-3224											
IM-9600	9600		Voice Band			FDX	Sync	R/S	V.29	1 y	
NM-1440	14.4K		Voice Band			FDX	Sync	R/S	V.29/V.33	1 y	
NM-1920	19.2K		Voice Band			FDX	Sync	R/S	V.28/.33	1 y	
NM-9600	9600		Voice Band			FDX	Sync	R/S	V.29	1 y	
Patton Electronics Company 301 493-9665											
100	19.2K	17.0	Short Haul			FDX	Async	R/S	V.24	1 y	$70
101	19.2K	10.8	Short Haul			FDX	Async	R/S	V.24	1 y	$80
110	19.2K	9.0	Short Haul			FDX	Async	R/S	V.24	1 y	$95
111	19.2K	8.5	Short Haul			FDX	Async	R/S	V.24		$105
112	19.2K	6.0	Short Haul			FDX/HDX	Async	R/S	V.24	1 y	$115
120	19.2K	11.0	Short Haul			FDX	Sync	R/S	V.24	1 y	$175
121	19.2	7.5	Short Haul			FDX	Sync	R/S	V.24	1 y	$195
130	9600	11	Short Haul			FDX/HDX	Sync	R/S	V.24	1 y	$225
131	19.2	7.5	Short Haul			FDX/HDX	Sync	R/S	V.24	1 y	$245
140	64K	6	Short Haul			FDX	Sync	R/S	V.24	1 y	$495
200	19.2K	300FT	Modem Elim.			FDX/HDX	Sync	S	V.24		$185
Racal-Milgo 800 RACAL-55											
COM-LINK 7/7S	19.2K	15	Ltd Dist				A/S	R/S	LACD	1 y	$460+
COM-LINK 9	19.2	14					A/S	R/S	LADC	1 y	$730
LDM-V.35	56K	8.6	Ltd Dist				Sync	R/S	V.35	1 y	$1,500
Omnimode 14.4FP	14.4K		High Speed	Y		FDX/HDX	A/S	R/S		1 y	$4,145
Omnimode 1614	16.8K		High Speed	Y		FDX/HDX	A/S	R/S		1 y	$5,160
Omnimode 96	9600		High Speed	Y		FDX/HDX	A/S	R/S	V.29	1 y	$3,250
RMD 2412/2	300		V.22	Y	Y	FDX	A/S	S	V.22	1 y	$595
RMD 3221	120		V.32	Y		FDX	A/S	S	212/103	1 y	$1,195
RMD 3222	14.4		V.32	Y		FDX/HDX	A/S	R/S	V.32/V.33	1 y	$1,595
RMD 3264	14.4		V.32	Y		FDX/HDX	A/S	R	208/212	1 y	$2,495
RMD 3281	9.6		V.32	Y		FDX	A/S	R	212/103	1 y	$1,095
RMD 4492E	2.4		V.22	Y	Y	FDX	A/S	R	V.42/ V.22	1 y	$1,395
RMD 4850	4800		Bell 208	Y	Y	FDX	Sync	S	V.27	1 y	$1,295
RMD 4891T	4.8		208	Y	Y	FDX/HDX	Sync	R	208/201	1 y	$1,695
Vi 2422PA-SC	300		V.22	Y	Y	FDX	A/S	S	V.22/V.21	1 y	$795
Rad Data Communications 201 587-8822											
FLM-1	38.4K	3	Fiber Optic			FDX/HDX	Async			1 y	$775
MiniModem	19.2K		Short Range				A/S	S			
SRM-6AC	19.2K	4	Short Haul			FDX/HDX	Async	S		1 y	$115
SRM-6D	19.2K	17.0	Short Haul			FDX	Async	S		1 y	$70
SRM-6DX	19.2K		Short Haul			FDX	Async	S		1 y	$165
SRM-6H	64K	6	Short Haul			FDX/HDX	Sync	S		1 y	$495
SRM-6S	19.2K	11	Short Haul			FDX	Sync	S		1 y	$178
SRM-6SC	19.2K	11	Short Haul			FDX/HDX	Sync	S		1 y	$225
Raycom Systems, Inc. 303 530-1620											
2605/2606	1.544M	10KM	Fiber Optic			FDX	Async	R/S	103/212A	1 y	$984
SI Tech 708 232-8640											
2001	56K	1.5/3	Fiber Optic			FDX	Async	S		1 y	$150
2004	56K	1.5/3	Fiber Optic			FDX	Sync	S		1 y	$275

MODEMS

Model	Max Baud Rate (bps)	Max Mile Range	Modem Type	Auto Dial	Alternate Voice	Operating Modes	Transmission Type	Rackmount/ Standalone	Compatibility (Bell/CCITT)	Warranty	Price
SI Tech 708 232-8640 (continued)											
2005	56K	1.5/3	Fiber Optic			FDX	Async	S		1 y	$225
2010	9600	1.5/3	Fiber Optic			FDX	Async	S		1 y	$350
2025	56K	2	Short Haul			FDX	Async	R/S		1 y	$242
2105	56K	1.5/3	Fiber Optic			FDX	Async	S		1 y	$210
2304	56K	1.5/3	Fiber Optic			FDX	Sync	R		1 y	$275
2305	56K	1.5/3	Fiber Optic			FDX	Async	R		1 y	$225
2505	56K	1.5/3	Fiber Optic			FDX	Async	S		1 y	$150
2507	19.2K					FDX	Async	R/S		1 y	$150
2526	19.2K	1				FDX	Async	R/S		1 y	
2856	20M	1.5/3	Fiber Optic			FDX	Async	S		1 y	$450
2857	10M	1.5/3	Fiber Optic			FDX	Async	S		1 y	$450
Telcor Systems Corporation 508 653-3995											
1248MA	4800			Y	Y		Async	S	212A/103	3 y	$595
2424MA	2400		Leased Line	Y	Y	FDX	Async	R/S	212A/V.22	3 y	$595
2448MA	4800			Y	Y		Async	S	212A/V.22	3 y	$795
2496MA	9600		Leased Line	Y	Y	FDX	Async	R/S	V.22/212A	3 y	$695
2938MA	38.4K		Leased Line	Y	Y	FDX/HDX	Async	R/S	V.29/212A	3 y	$995
3219MA	19.2K		Leased Line	Y	Y	FDX	Async	R/S	V.32/212A	3 y	$1,095
3238MA	38.4K		Leased Line	Y	Y	FDX	Async	R/S	V.32/212A	3 y	$1,295
3264PC	70K		Leased Line	Y	Y	FDX	Async	S	212A/103	3 y	$1,195
Telebit Corporation 408 734-4333											
T1000	9600		Dial-up	Y			Async	S	212A/103J	1 y	$795
T2000	19.2K		Dial-up	Y			Async	R/S	212A/103J	1 y	$1,495
T2500	19.2K		Dial-up	Y			A/S	R/S	103J/212A	1 y	$1,495
TrailBlazer Plus	19.2K		Dial-up	Y			Async	R/S	103J/212A	1 y	$1,345
Telenetics Corporation 714 779-2766											
24R	2400		Voice Band	Y	Y	FDX	A/S	R	212A/V.22	5 y	$445
24R-MP	2400		Voice Band	Y	Y	FDX/HDX	A/S	R	212A/V.22	5 y	$645
24S	2400		Voice Band	Y	Y	FDX	A/S	S	212A/V.22	5 y	$595
24S-MP	2400		Voice Band	Y	Y	FDX/HDX	A/S	S	212A/V.22	5 y	$695
OZ2496E	2400		Voice Band	Y	Y	FDX/HDX	A/S	R/S	212A/V.22	5 y	$995
TC1200	1200		Voice Band	Y		FDX/HDX	A	S	212A/103	5 y	$139
TC2400	2400		Voice Band	Y	Y	FDX/HDX	A	S	212A/V.22	5 y	$239
TC921S-24	2400		Voice Band	Y	Y	FDX/HDX	A/S	R/S	212A/V.22	5 y	$595
TC96/V.32	300		Voice Band	Y	Y	FDX/HDX	A/S	S	V.33/212A	2 y	$895
U. S. Robotics, Inc. 708 982-5010											
Courier 1200	1200		Voice Band	Y		FDX/HDX	Async	S	103/212A	2 y	$349
Courier 2400	2400		Voice Band	Y		FDX	Async	S	212A	2 y	$499
Courier 2400e	2400		Voice Band	Y		FDX	Async	S	212A	2 y	$699
Courier HST	14.4K		Voice Band	Y		FDX/HDX	A/S	R/S	212	2 y	$995
Courier HST Dual Std	14.4K		Voice Band	Y		FDX/HDX	A/S	R/S	212A/107	2 y	$1,595
Rackmount 30 MMS	14.4K		Voice Band	Y		FDX/HDX	A/S	R	212A	2 y	
UDS 205 430-8000											
108	300	Unltd	Long Haul			FDX	Async	R/S	108	1 y	$425
1450	14.4K	Unltd	Dial-up	Y	Y	FDX/HDX	A/S	R/S	V.29/V.33	1 y	$2,195
202S/T	1200	Unltd	Long Haul		Y	FDX	A/S	R/S	202J	1 y	$475

MODEMS

Model	Max Baud Rate (bps)	Max Mile Range	Modem Type	Auto Dial	Alternate Voice	Operating Modes	Transmission Type	Rackmount/ Standalone	Compatibility (Bell/CCITT)	Warranty	Price
UDS 205 430-8000 (continued)											
2140	2400	Unltd	Dial-up	Y	Y	HDX	Sync	S	201C	1 y	$735
2440	2400	Unltd	Long Haul	Y	Y	FDX		R/S	103J/212A	1 y	$550
2860	4800	Unltd	Long Haul	Y	Y	FDX/HDX	A/S	R/S	201/208	1 y	$1,495
9648T	9600	Unltd	Dial-up	Y	Y	FDX/HDX	A/S	R/S	208A/B	1 y	$1,695
V3225	9600	Unltd	Long Haul	Y	Y	FDX	A/S	R/S	103J/212A	1 y	$1,145
Versitron 800 537-2296											
T1	1.544M	1.5	Fiber Optic			FDX	Sync	R/S	Bell	90 d	

MULTIPLEXERS

Model	Control Signals	Modem Support	Max Baud Rate (bps)	Max Input Channels	Local/Remote Loopback	Bus Interface	Transmission Type	Rackmount/ Standalone	Warranty	Price
AT&T Paradyne Corporation 813 530-2000										
2030	Y	Y	19.2K	8	L/R		Sync	R/S	1 y	
3211 TI	Y	Y		96	L/R		Sync	R	1 y	
DCX 840	Y	Y	72K	240	L/R		Async	R	1 y	
DCX 850	Y	Y	72K	240	L/R		Sync	R	1 y	
Black Box Corporation 412 746-5500										
Communication Box II	Y	Y		16	Y		Async	S	1 y	$1,490
Digital Multiplexer	Y	Y	Y	6	Y		Sync	S	1 y	$1,295
LD 470	Y	Y	Y	8	Y		Async	S	1 y	$545
Mini Stat-4	Y		Y	4	Y		Async	S	1 y	$595
RS232 Fiber Optic	Y	Y	Y	16			A/S	R/S	1 y	$1,295
Bo-Sherrel Company, Inc. 415 792-0354										
MX-2			19.2K	8			Async	S	2 y	$349
MX-3			19.2K	8	L		Async	S	2 y	$390
Camintonn Corporation 714 553-0247										
CM-DHV11/C		Y	38.4K			Q-bus	Async	R		
Canoga-Perkins 818 718-6300										
CMX-320			19.2K	32			A/S		1 y	$1,795
CMX-3240	Y		76.8K	144	L/R		A/S	S	1 y	$2,695
CMX-808			19.2K	8			A/S		1 y	$895
CMX-816	Y		100K	16			A/S		1 y	$2,695
Case/Datatel 800 424-4451										
DCP5016			1200	16			Async	R/S		$3,150
DCP5032			64K	16			Async	R/S		
DCP9050	Y		64K	6	Y		Sync	S		$215
DCP9100			1.544M					R/S		
Coastcom 415 825-7500										
D/I MUX III	Y	Y	1.536M	24	L/R		A/S	R/S	24 mo	$2,985

MULTIPLEXERS

Model	Control Signals	Modem Support	Max Baud Rate (bps)	Max Input Channels	Local/Remote Loopback	Bus Interface	Transmission Type	Rackmount/ Standalone	Warranty	Price
Coastcom 415 825-7500 (continued)										
T1M III	Y	Y	1.536M	8	L/R		A/S	R/S	24 mo	$2,640
Codex Corporation 508 261-4000										
6003 INP	Y		19.2	8	L/R		Async	R/S	1 y	$1,250+
6015 INP	Y	Y	19.2K	10	L/R		A/S	S	1 y	$1,500
6216	Y		256K	16	L		A/S	S	1 y	$4,355
Computer Products, Inc. 305 974-5500										
GT304	Y		38.4K					R	1 y	$275
GT309A	Y		38.4K	16		Q-bus	Async	R	1 y	$995
GT312	Y	Y	38.4K	8		Q-bus	Async	R	1 y	$795
DCB Inc. 800 637-1127										
Hub 2		Y	1902K	2	L/R	External	A/S	R/S	1 y	$1,095
Hub 4		Y	1902K	4	L/R	External	A/S	R/S	1 y	$1,495
Hub 6		Y	19.2K	6	L/R	External	A/S	R/S	1 y	$1,795
SPL 10	Y	Y	56K	10	L/R	External	A/S	R/S	1 y	$2,295
SPL 12	Y	Y	56K	12	L/R	External	A/S	R/S	1 y	$2,695
SPL 14	Y	Y	56K	14	L/R	External	A/S	R/S	1 y	$2,995
SPL 2	Y	Y	56K	2	L/R	External	A/S	R/S	1 y	$795
SPL 4	Y	Y	56K	4	L/R	External	A/S	R/SD	1 y	$1,195
SPL 6	Y	Y	56K	6	L/R	External	A/S	R/S	1 y	$1,495
SPL 8	Y	Y	56K	8	L/R		A/S	R/S	1 y	$1,995
Emulex Corporation 714 662-5600										
CS08	Y	Y	57.6K	8		Q-bus	Async		1 y	$950+
CS09	Y	Y	57.6K	16		Q-bus	Async		1 y	$1,350+
CS21/F	Y	Y	19.2K	16		UNIBUS	Async		1 y	$2,750+
CS21/H	Y	Y	19.2K	16		UNIBUS	Async		1 y	$2,750+
CS21/Z	Y	Y	19.2K	16		UNIBUS	Async		1 y	$2,950+
CS23	Y	Y	38.4K	16		UNIBUS	Async		1 y	$3,800
CS32	Y	Y	38.4K	16		UNIBUS	Async		1 y	$1,800+
QS09	Y	Y	57.6K	16		Q-bus	Async		1 y	$2,000
Equinox Systems 800 328-2729										
LM-48	Y	Y	19.2K	48	Y		Async	R/S	3 y	
LM-8	Y	Y	19.2K	8	Y		Async		3 y	
Fibermux Corporation 818 709-6000										
FX1601			76.8K	16		RS-232	A/S			$1,465+
FX3201			38.4K	32		RS-232	A			$1,895+
FX4400	Y			384	L/R			R/S	1 y	
FX616			4.2M	16		BNC	Wang			$2,450
FX7480			2.035M	8		RJ45	IBM Twinax			$1,950+
FX7499			2.035M	8		IBM 3270	IBM 3270 coax			$595+
FX812			1.544M	8		RS-449/422	S			$2,275
FX9601			19.2K	96		RS-232	A/S			$2,775+
Magnum100			78M	512			A/S			$4,100+
Gandalf Data Inc. 800 722-9638										
GLM 518	Y	Y	64K	8	L/R		A/S	R/S		$900
GLM 528E	Y	Y	1.544M	128	L/R		A/S			
KMUX	Y	Y	38.4K	7	L/R		Sync	R/S		

MULTIPLEXERS

Model	Control Signals	Modem Support	Max Baud Rate (bps)	Max Input Channels	Local/Remote Loopback	Bus Interface	Transmission Type	Rackmount/ Standalone	Warranty	Price
Gandalf Data Inc. 800 722-9638 (continued)										
mMUX 2000		Y	64K	8	L/R		A/S	R/S		$1,595
MUX 2000	Y	Y	128K	32	L/R		A/S	R/S		$2,850
RM 3640	Y	Y	64K		L/R		A/S	R		$350
SMUX	Y	Y	64K	16	L/R		A/S	R/S		
Lan Systems Inc. 415 566-4798										
LAN-MUX16A	Y		19.2K	16	L/R		Async	R/S	2 y	$795
LAN-MUX8A	Y		19.2K	8	L/R		Async	R/S	2 y	$445
LAN-MUX8A PLUS	Y	Y	19.2K	8	L/R		Async	R/S	2 y	$545
MCS Computer Products Inc. 612 779-0536										
CM-DHV11	Y	Y	38.4K	8	Y	U/Q	Async			$650+
Method Systems Inc. 800 533-6116										
Mini-Mux	Y		9600	8	L/R		Async	S	5 y	$395
Micom Communications Corporation 805 583-8600										
Micom Box Type 2	Y	Y	19.2K		L/R		A/S	S	3 y	$1,540+
Micom Box Type 3	Y	Y	19.2K	16	L/R		A/S	S	3 y	$1,960+
Motorola Information Systems 416 793-5700										
6003 INP							Async			
6015	Y	Y	19.2K	16	L/R		A/S	R/S	1 y	
6015 INP							Async			
6500 X.25	Y	Y	80K	48	L/R		A/S	R/S	1 y	
6740 DCP										
674X	Y	Y	64K	192	Y		A/S	R/S	1 y	
Multi-Tech Systems Inc. 800 328-9717										
MultiMux32		Y	14.4K	32			Async			$10,295
N.E.T. Access Products Division 805 562-3224										
LS2000	Y	Y	19.2K	32	L/R		Async	R/S	1 y	$1,800
RS2000	Y	Y	19.2K	32	L/R		Async	R/S	1 y	$3,600+
SPX/30	Y	Y	19.2K	72			Async	R/S	1 y	$3,750+
SPX/5	Y	Y	9600	8	L/R		Async	S	1 y	$1,295
SPX/50	Y	Y	9600	80	L/R		Async	R/S	1 y	$4,450+
SPX/SI		Y	10M	256		U/Q/B	Async		1 y	
TS1000	Y	Y	19.2K	32	L/R		Async	R/S	1 y	$2,100+
Patton Electronics Company 301 493-9665										
354			9600	4	L/R		Async	S	1 y	$275
358			9600	8	L/R		Async	S	1 y	$450
Racal-Milgo 800 RACAL-55										
110	Y	Y	9.6K		L/R		Async	R/S	90 d	$1,995
120	Y	Y	9.6K	32	L/R		Async	R/S	90 d	$4,645
125	Y	Y	9.6K	32	L/R		Async	R/S	90 d	$5,445
207	Y	Y	19.2	128Y	L/R	UNIBUS	Async		90 d	$4,995
Netlink	Y	Y	19.2K		L/R		Sync	R/S	90 d	$6,190
OMNIMUX 7000	Y	Y	1.536	96	Y		S/A	R	1 y	$2,900+
Omnimux 9000-1	Y	Y	1.53M	64	L/R	Proprietory	A/S	R		
Omnimux 9000-2	Y	Y	1.536M	144	L/R	Proprietary	A/S	R		
Omnimux 9000-S	Y	Y	1.536M	32	L/R	Proprietary	A/S	R/S		

MULTIPLEXERS

Model	Control Signals	Modem Support	Max Baud Rate (bps)	Max Input Channels	Local/Remote Loopback	Bus Interface	Transmission Type	Rackmount/ Standalone	Warranty	Price
Rad Data Communications 201 587-8822										
DVI				3				S	1 y	$160
KiloMux				6			A/S	S		$1,600
MAM-A		Y	19	2			Async	S	1 y	$330
MAM-S		Y	19.2K	2			A/S	S	1 y	$440
MMM			19.2K	2			A/S	S	1 y	$245
MSM		Y	19.2K	2			Sync	S	1 y	$245
RCMCoax			2.358M	2			Async	S	1 y	$100
STM 4	Y	Y	19.2K	4	L/R		A/S	S	1 y	$595
STM-24	Y	Y	19.2K	24	L/R		A/S	R/S	1 y	$1,950
STM-8	Y	Y	19.2K	8	L/R		A/S	S	1 y	$950
TRIMLINK 400	Y	Y	19.2K	4	L/R		Sync	R/S	1 y	$3,950
Raycom Systems, Inc. 303 530-1620										
5100/5110	Y	Y			L/R		A/S	R/S	1 y	$2,650
SI Tech 708 232-8640										
1000	Y	Y	10M	48	L/R	RS232	A/S	R/S	1 y	$1,500+
2006		Y	19.2K	8	L/R	RS232	A/S	R/S	1 y	$1,500+
2016		Y	19.2K	16	L/R	RS232	Async	R/S	1 y	$2,000
Sigma Information Systems 714 630-6553										
SCD-DHV11/16	Y		38.4K	16	Y	Q-bus	Async	R	1 y	$917
SCD-DHV11/8	Y	Y	38.4K	8	Y	Q-bus	Async	R	1 y	$792
SCD-DZV11	Y	Y	19.2K	8		Q-bus	Async	R	1 y	$867
Summus Computer Systems 713 492-6611										
SUM-COM		Y	19.2K	256	L/R	UNIBUS	A/S	R/S	1 y	
SUM-DHV16		Y	38.4K			Q-bus		R	1 y	
Telebyte Technology, Inc. 516 423-3232										
570	Y	Y	19.2K	8	L/R		Async	R/S	1 y	$548
Telenetics Corporation 714 779-2766										
IT64	Y	Y	19.2K	64	Y		A/S	R/S	2 y	$13,500
IT8	Y	Y	19.2K	8	Y		Async	R/S	2 y	$2,750
UDS 205 430-8000										
1406T	Y	Y	14.4K	6	Y		A/S	S	1 y	$3,495
1408S	Y	Y	14.4K	8	Y		Sync	S	1 y	$3,995
9604T	Y	Y	9600	4	Y		A/S	S	1 y	$2,495
9608S	Y	Y	9600	8	Y		Sync	S	1 y	$2,695
SM-4A	Y	Y	19.2K	4	Y		Sync	R/S	1 y	$1,160
SM-8A	Y	Y	19.2K	8	Y		Sync	R/S	1 y	$1,550
TDM/MR	Y	Y	38.4K	24	Y		A/S	S	1 y	
Webster Computer Corporation 408 954-8054										
WQDHV	Y	Y	38.4K	16		Q-bus	Async		1 y	
WQDZV	Y	Y	38.4K	8		Q-bus	Async		1 y	

COMMUNICATION CONTROLLERS

ABLE COMPUTER

AU 220
16 Ports Supported • RS423 • On-Board Diagnostics • 19.2K bps Max. Baud Rate • UNIBUS Supported • 1 y Warranty
Provides programmable DMA capability, split baud rates, and modem control on all 16 lines, which may be independently programmed. Emulates TX ports on DEC DMF32.

CAMINTONN CORPORATION

CM-CXY08
8 Ports Supported • RS423 • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
CM-CXY08 is 100 percent compatible with DEC CXY08. Target systems are MicroVAX 3xxx, DECsystem 5400, and DEC server 500/550. 72,000 char./sec. throughput.

CM-DHQ11
8 Ports Supported • RS423 • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
CM-DHQ11 is 100 percent compatible DEC DHQ11. Powerful DHU emulation dramatically reduces I/O overhead. 72,000 char./sec. throughput. 38.4K baud remapped. RS422 option on four lines (data only).

CM-DHV11-C
8 Ports Supported • RS423 • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
CM-DHV11-C is 100 percent compatible with DEC DHV11. The last port may be configured as a DLV11 console port on PDP-11 systems. 38.4K baud rate remapped.

CM-DHV16-D
16 Ports Supported • RS423 • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
CM-DHV16-D emulates two DEC DHV11 eight-line controllers. Data-only leads on all 16 ports. RJ 11, nine-pin distribution options are available. 38.4K baud remapped.

CM-DLV11-J
4 Ports Supported • RS423 • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
Runs transparently to DEC software. Lines may be independently designated for EIA signal compatibility and configured for baud rate and data bit formats. RS422 option.

CMC

ENP-40
UNIBUS Supported • 1 y Warranty
The ENP-40 is an Ethernet node processor for UNIBUS with a Motorola 68010 processor at 12.5MHz and 512KB of RAM. Includes 802.3 10BASE5 thick coat Ethernet transceiver interface.

DYNA FIVE CORPORATION

D5-CI100-4
38.4K bps Max. Baud Rate • Q-bus Supported

D5-CI100-8
19.2K bps Max. Baud Rate • Q-bus Supported

D5-CI101-16
38.4K bps Max. Baud Rate • Q-bus Supported

D5-CI101-8
38.4K bps Max. Baud Rate • Q-bus Supported
Feature full modem control on all channels and DMA- or single-character output.

MDB SYSTEMS INC.

MDB-DR11-W
UNIBUS Supported • 1 y Warranty

MLSI-DR11-W Plus
Q-bus Supported • 1 y Warranty

MLSI-WLL11
UNIBUS Supported

MV-DR11-W
Q-bus Supported • 1 y Warranty

THE LOGICAL COMPANY

CCQ-1100
8 Ports Supported • RS423 • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
Eight RS232/423 asynchronous lines on a dual-width Q-bus controller with a full modem. Software compatible with DEC operating systems and diagnostics.

CCQ-1101
16 Ports Supported • RS423 • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
Sixteen RS232/423 asynchronous data-only lines on a dual-width Q-bus controller. Software compatible with DEC operating systems and diagnostics.

CCQ-1400
8 Ports Supported • On-Board Diagnostics • 19.2K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
Eight RS232 asynchronous lines on a single Q-bus module emulating a DEC DH11 and DM11BB. Multiple panel options are available.

CCQ-1401
8 Ports Supported • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
Eight RS232 asynchronous lines on a single Q-bus module emulating either a DHU or DHV. Multiple panel options are available.

CCQ-1600
16 Ports Supported • RS423 • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
16-line asynchronous communications controller for DEC terminal servers, MicroVAX, and MicroPDP-11 systems.

CCQ-1601
16 Ports Supported • RS423 • On-Board Diagnostics • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
16-line asynchronous communications controller with high-speed parallel printer port for DEC terminal servers, MicroVAX and MicroPDP-11 systems.

CCU-1000
16 Ports Supported • On-Board Diagnostics • 38.4K bps Max. Baud Rate • UNIBUS Supported • 1 y Warranty
Sixteen asynchronous lines on a single UNIBUS module emulating two DM32s at four times the throughput. Multiple panel options available.

CCU-1100
16 Ports Supported • On-Board Diagnostics • 38.4K bps Max. Baud Rate • UNIBUS Supported • 1 y Warranty
Sixteen asynchronous lines on a single UNIBUS module emulating a DHU at four times the throughput. Multiple panel options available.

CCU-1200
16 Ports Supported • On-Board Diagnostics • 9600 Max. Baud Rate • UNIBUS Supported • 1 y Warranty
Sixteen RS232 asynchronous lines on a single UNIBUS module emulating two DEC DZ11-Es in half the space at half the power. Multiple panel options available.

CCU-1300
4 Ports Supported • 9600 Max. Baud Rate • UNIBUS Supported • 1 y Warranty
Four-line RS232 asynchronous controller emulating four DEC DL11-Bs on a single quad-size UNIBUS module.

CCU-1301
4 Ports Supported • 9600 Max. Baud Rate • UNIBUS Supported • 1 y Warranty
Four-line 20mA current loop asynchronous controller emulating four DEC DL11-Cs on a single quad-size UNIBUS module.

CCU-1302
4 Ports Supported • 9600 Max. Baud Rate • UNIBUS Supported • 1 y Warranty
Four-line RS232 asynchronous controller emulating four DEC DL11-Es on a single UNIBUS module with full modem control.

XYPLEX INC.

Host Interface Unit
U/Q Supported
A terminal communications controller.

COMMUNICATION PROCESSORS

ADVANCED COMPUTER COMMUNICATIONS (ACC)

ACP 5100
1 Port Supported • 1.544M bps Network Line Speed • Q-bus Supported • 90 d Warranty
The ACP 5100 is a high-speed communication processor for the MicroVAX II or MicroVAX 3000 CPUs. Implements CCITT recommendation X.25 level 2 (HDLC/LAPB).

ACP 5250
1 Port Supported • 300K bps Network Line Speed • Q-bus Supported • 90 d Warranty
The ACP 5250 enhances the MicroVAX environment by offloading communication protocol handling and eliminating character-at-a-time interrupts to the host.

ACP 6100
1 Port Supported • 1.544M bps Network Line Speed • UNIBUS Supported • 90 d Warranty
The ACP 6100 is a high-speed communication processor for DEC VAX CPUs. Implements CCITT recommendation X.25 level 2 (HDLC/LAPB).

ACP 6250
1 Port Supported • 1.5M bps Network Line Speed • 90 d Warranty
The ACP 6250 has higher throughput due to the QUADbus architecture. It centers on a large four-port RAM that is connected to four independent buses controlled by the microprocessor.

INCOTEL INC.

IMX-700
500 Ports Supported • 56K bps Network Line Speed • BIbus Supported • 90 d Warranty
The price of the IMX-700 includes a software license.

Micro IMX-700
128 Ports Supported • 56K bps Network Line Speed • Q-bus Supported • 90 d Warranty
The price of the Micro IMX-700 includes a software license and supports the MicroVAX II or 3000 series.

LANTEK

BBMASTER
240 Ports Supported • 2.4M bps Network Line Speed • MPU • Q-bus Supported • 2 y Warranty
BBMASTER provides a powerful solution for performance-sensitive distributed applications. BBMASTER implements RS485 SDLC communications over twisted pair wire and supports BIbus protocols for VMS.

MICROTRONIX DATACOM LTD.

KXJ-X.25
128 Ports Supported • 56K bps Network Line Speed • Q-bus Supported
Reduces the number of interrupts on the MicroVAX and relieves the host from communication processing loads.

LSI-X.25
5 Ports Supported • 56K bps Network Line Speed • UNIBUS Supported • 90 d Warranty
Interfaces up to five different packet networks, PADs, or switches to a VMS host over Ethernet.

RACAL-MILGO

DPAX 1100
64 Ports Supported • 72K bps Network Line Speed • PSI Supported • 90 d Warranty
The DPAX 1100 operates as a CCITT X.3 PAD processor for asynchronous data. It supports up to 64 users and one or two trunks.

DPAX 2100
72K bps Network Line Speed • PSI Supported • 90 d Warranty
The DPAX 2100 operates as a CCITT X.3 PAD processor for asynchronous data. It supports up to 80 users and one or two trunks.

Omnimux PNP-200
34 Ports Supported • .5M bps Network Line Speed • 90 d Warranty

Omnimux PNP-4000
480 Ports Supported • 2M bps Network Line Speed • 90 d Warranty

Omnimux PNP-5000
448 Ports Supported • 4M bps Network Line Speed • 90 d Warranty

Omnimux PNP-600
192 Ports Supported • 1M bps Network Line Speed • 90 d Warranty
High-performance devices for communication-intensive applications; may be connected to variety of private circuits, national/international public data networks, and dedicated X.25 host computer equipment.

Series 300
100+ Ports Supported • 72K bps Network Line Speed • PSI/U/LAT Supported • DTE/DCE • 90 d Warranty
Series 300 is a multipurpose data communications processor. Supports X.25, TCP/IP, LAT, and stat mux protocols on a single, manageable hardware platform.

Simpact Associates Inc.

EXC1612
12 Ports Supported • 9600 bps Network Line Speed • 1 y Warranty
The EXC1612 provides 12 additional full-duplex serial communication ports for Simpact's UNIBUS- and Q-bus-compatible ICP1600 and ICP1622 front-end processors.

EXC3212
12 Ports Supported • Q-bus Supported • 1 y Warranty
The EXC3212 provides 12 additional full-duplex serial communication ports for Simpact's Q-bus-compatible ICP3212.

ICP1600
8 Ports Supported • 614K bps Network Line Speed • UNIBUS Supported • 1 y Warranty
The Intelligent Communication Processor (ICP) series is the hardware platform for Simpact's off-the-shelf and custom serial communication interfaces. Supports popular DEC bus architectures.

ICP1622
4 Ports Supported • 614K bps Network Line Speed • Q-bus Supported • 1 y Warranty
The Q-bus-compatible ICP1622 provides four independently programmable, full duplex, serial communication ports, each individually configurable for line speed and clock source.

ICP1632
4 Ports Supported • 1.544M bps Network Line Speed • VAXBI Supported • 1 y Warranty
The VAXBI bus-compatible ICP1632 provides four high-performance, independently programmable, full duplex, serial communication ports, each individually configurable for line speed and clock source.

ICP3200 Series
4 Ports Supported • 1.544M bps Network Line Speed • Q-bus Supported • 1 y Warranty
The Q-bus and VAXBI-compatible ICP3200 Series is targeted at demanding applications that require high data throughput, complex on-board processing, and concurrent operation.

VCI 8000
16 Ports Supported • 1.544M bps Network Line Speed • VME Supported • 1 y Warranty
Communication interface board used to connect VME-based computers to DEC computers using DDCMP communication links.

Software Results Corporation

COMBOARD/SNA-1251
1 Port Supported • 64K bps Network Line Speed • UNIBUS Supported • 120 d Warranty

COMBOARD/SNA-1252
1 Port Supported • 64K bps Network Line Speed • Q-bus Supported • 120 d Warranty

COMBOARD/SNA-651
1 Port Supported • 64K bps Network Line Speed • UNIBUS Supported • 120 d Warranty

COMBOARD/SNA-652
1 Port Supported • 64K bps Network Line Speed • Q-bus Supported • 120 d Warranty

COMBOARD/SNA-751
1 Port Supported • 64K bps Network Line Speed • UNIBUS Supported • 120 d Warranty

COMBOARD/SNA-752
1 Port Supported • 64K bps Network Line Speed • Q-bus Supported • 120 d Warranty
A combination hardware and software solutions that provide VAX users 3270 emulation and/or 3770 RJE link to mainframes. COMBOARD supports VMS and ULTRIX with speeds up to 64K bps.

Communication Protocol Interfaces

Method Systems, Inc.

PCT-100
2 Ports Supported • RS232 Supported • 1 y Warranty
User-programmable serial device that solves asynchronous interface incompatibilities with an in-line RS232 protocol and data translator.

Micom Communications Corporation

MB3-SPC
4-16 Ports Supported • FEP • Software Included • RS232 Supported • 3 y Warranty
Connects to IBM 3270 and asynchronous hosts allowing configuration of four asynchronous host channels to device, permitting terminals to switch between 3270 and any channel.

Purvis Systems, Inc.

Q-bus/NTDS
Q-bus Supported • 90 d Warranty
MIL-STD-1397 NTDS interface for 16- and 32-bit, full duplex, parallel, data transfers. Differential line receivers are standard for Type B (NTDS-FAST) and Type C (ANEW). I/O drivers, users manuals and test and installation software are included.

UNIBUS/NTDS
UNIBUS Supported • Software Included • 90 d Warranty
MIL-STD-1397 NTDS interface for 16- and 32-bit, full duplex, parallel data transfers. Differential line receivers are standard for Type B (NTDS-FAST) and Type C (ANEW).

Simpact Associates Inc.

CPI 1000/BSC 2780/3780
4-8 Ports Supported • FEP • Q-bus Supported • Software Included • EIA232/449/V.35 Supported • 1 y Warranty

CPI 10100/BSC 3270
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.35 Supported • 1 y Warranty
The CPI 1000/BSC 2780/3780 and CPI 10100/BSC 3270 connect DEC-based hosts to non-DEC systems including System 36/38 CPUs and IBM 2780/3780 RJE stations.

CPI 10200/FMP
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.35 Supported • 1 y Warranty
The CPI 10200/FMP connects DEC-based hosts to systems that broadcast stock, bond and commodity information. Accepts data from SIAC, NASDAQ, OPRA, NYSE, NYFE, CBOT.

CPI 10300/HASP
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.35 Supported • 1 y Warranty
The CPI 10300/HASP connects DEC-based systems to IBM RJE systems. Multileaving feature allows multiple data streams to be transferred over a single line.

CPI 10400
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
The CPI 10400 connects DEC systems to SWIFT and CHIPS networks. Includes applications that perform Level I testing for protocol conformance to both networks.

CPI 11000/Async
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
The CPI 11000/Async provides DEC systems with extremely flexible asynchronous communication capabilities. Interfaces are programmable; communication lines independently configurable for a variety of parameters.

CPI 12000/SNA
2 Ports Supported • FEP • Q-bus Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
The CPI 12000/SNA provides DEC systems with on-line access to IBM hosts, batch file transfers, printing of IBM files on local printers, and more.

CPI 13000/AUTODIN
4 Ports Supported • FEP • Q-bus Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
Certified by the DCA, the CPI 13000/AUTODIN implements the AUTODIN Mode 1 protocol. The interface features user-definable data rates and numerous security features.

CPI 3000/HDLC
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
The CPI 3000/HDLC is a complete hardware and software solution, providing a cost-effective and flexible implementation of HDLC LAPB protocol for DEC systems.

CPI 4000/ADCCP NRM
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
The CPU 4000/ADCCP NRM provides flexible implementation of ADCCP NRM protocol for DEC systems. Interface configurable for data rate: internal, external clock source.

CPI 4200/ADCCP ABM
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
The CPI 4200/ADCCP ABM provides high-performance implementation of ADCCP ABM protocol for DEC systems. Interface configurable for data rate, window and address sizes.

CPI 5000/SDLC
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
The CPI 5000/SDLC is a SDLC communication solution for DEC-based systems. Various configuration parameters allow the interface to be shaped to the user's application.

CPI 8000/DDCMP
4-8 Ports Supported • FEP • Q-bus Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
The CPI 8000/DDCMP is a hardware and software DDCMP communication solution for DEC systems. Interface compatible with DEC's products at programming, serial link levels.

CPI 8020/DDCMP
4 Ports Supported • FEP • BIbus Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
The CPI 8020/DDCMP is a complete hardware and software DDCMP communication solution for VAX BIbus-based systems. Interface may be independently configured for variety of parameters.

CPI 8030/DDCMP
4 Ports Supported • FEP • Q-bus Supported • Software Included • EIA232/449/V.28 Supported • 1 y Warranty
A complete hardware and software DDCMP communication solution for Q-bus-based systems. Interface fully compatible with DEC's products at programming and serial link levels.

CPI 9000/DDN
4-8 Ports Supported • FEP • UNIBUS Supported • Software Included • EIA232/449/V.35 Supported • 9 mo Warranty
Certified by DCA for use on DDN, the CPI 9000/DDN provides DDN interoperability for DEC systems with TCP/IP and DoD application protocol suite.

Software Results Corporation

COMBOARD-HASP-1231
1 Port Supported • FEP • UNIBUS Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty
MC68000-based hardware offloads DEC CPU resources. COMBOARD is a combination hardware and software solution supporting VMS and ULTRIX with speeds of up to 64K bps.

COMBOARD-HASP-1252
1 Port Supported • FEP • Q-bus Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD-HASP-631
1 Port Supported • FEP • UNIBUS Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD-HASP-652
1 Port Supported • FEP • Q-bus Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD-HASP-731
1 Port Supported • FEP • UNIBUS Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD-HASP-752
1 Port Supported • FEP • Q-bus Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD-SNA-1252
1 Port Supported • FEP • Q-bus Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD-SNA-652
1 Port Supported • FEP • Q-bus Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD-SNA-752
1 Port Supported • FEP • Q-bus Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD/3780-1231
1 Port Supported • FEP • UNIBUS Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD/3780-631
1 Port Supported • FEP • UNIBUS Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty

COMBOARD/3780-731
1 Port Supported • FEP • UNIBUS Supported • Software Included • RS232/V.24/V.28 Supported • 120 d Warranty
MC68000-based hardware offloads DEC CPU resources. COMBOARD is a combination hardware and software solution supporting VMS and ULTRIX with speeds up to 64K bps.

Thomas Engineering Company

MPG
8 Ports Supported • Software Included • Ethernet, Token Ring Supported • 1 y Warranty
The MPG converts mainframe data streams (from IBM, Bull Unisys, and ALC) onto TCP/IP networks (Ethernet or Token Ring). Works with Thomas Engineering TES.

TES
12 Ports Supported • Non-DEC Supported • Software Included • Ethernet, Token Ring Supported • 1 y Warranty
The TES (Terminal Emulation Server) provides virtual or physical terminal emulation for terminals and workstations on Ethernet or Token Ring LANs. For IBM, Bull, Unisys, and ALC.

Uni-Tec
40 Ports Supported • Non-DEC Supported • Software Included • RS232 Supported • 1 y Warranty
Uni-Tec can be connected to terminal server to give all attached network users access to non-DEC mainframes, such as IBM, Bull, Unisys, and Airlines.

Communications Servers

Camintonn Corporation

Translaser
3 Ports Supported • Async Transmission • 38.4 Max. Baud Rate • Printer Support • 90 d Warranty
Supports applications using most popular printer emulations. Connects to any Adobe Postscript output device. Software and hardware selectable emulations. Serial and parallel input ports.

Micom Communications Corporation

Series 40
2036 Ports Supported • Async Transmission • 19.2K bps Max. Baud Rate • LAN Interface • WAN Interface • LAT Compatible • Network Interface • Printer Support • 3 y Warranty
The Instanet Commserver provides connectivity solutions for environments with diverse resources and users. The Commserver adds capabilities for LAN-LAN or LAN-WAN connections.

Mitek OpenConnect Systems

M2030/M2130
256 Ports Supported • Async Transmission • 256K bps Max. Baud Rate • LAN Interface • WAN Interface • Ethernet/Thin Wire • Printer Support • 90 d Warranty
Mitek OpenConnect Systems designs, manufactures and distributes connectivity solutions for linking IBM SNA products to TCP/IP vendor systems. Features bidirectional logon and file transfer.

Xyplex Inc.

MX-MAX-1800-E
5 Ports Supported • Async Transmission • 38.4K bps Max. Baud Rate • LAN Interface • LAT Compatible • Printer Support • 3 y Warranty
Used to connect terminals, printers, modems and PCs (in terminal emulation mode) to any host supporting the LAT and/or TCP/IP communications protocols.

MX-MAX1100T
16 Ports Supported • Async Transmission • 38.4K bps Max. Baud Rate • LAN Interface • Printer Support • 3 y Warranty
Used to connect terminals, printers, modems or PCs (in terminal emulation mode) to any UNIX host that supports the TCP/IP Telnet protocol suite.

MX-MAX1500-E
16 Ports Supported • Async Transmission • 38.4K bps Max. Baud Rate • LAN Interface • LAT Compatible • Printer Support • 3 y Warranty
Used to connect terminals, printers, modems and PCs (in terminal emulation mode) to any host that supports the LAT or TCP/IP communication protocols.

MX-MAX4500-E/y
5 Ports Supported • A/S Transmission • 10M bps Max. Baud Rate • LAN Interface • WAN Interface • LAT Compatible • Printer Support • 3 y Warranty
The MAXserver 4500 LANBUS Chassis-based system is designed for high capacity and performance. Includes power supply and LAN interface card for connection to the Ethernet.

MX-MAX5000-E1
16 Ports Supported • A/S Transmission • 10M bps Max. Baud Rate • LAN Interface • WAN Interface • LAT Compatible • Printer Support • 3 y Warranty
Chassis-based system designed for high capacity and performance. All MAXserver-based systems include power supply and LAN interface card.

MX-MAX5500-E
16 Ports Supported • A/S Transmission • 10M bps Max. Baud Rate • LAN Interface • WAN Interface • LAT Compatible • Printer Support • 3 y Warranty
MAXserver 5500 LANBUS Chassis-based system is configured for complete system redundancy including a redundant power supply and Ethernet connections.

Modems

AT&T Paradyne Corporation

3450
14.4K bps Max. Baud Rate • Leased Line Modem • Auto Dial • A/S Transmission • 1 y Warranty

3470
19.2K bps Max. Baud Rate • Leased Line Modem • Auto Dial • A/S Transmission • 1 y Warranty
Point-to-point leased line modems with fully integrated multiplexing, dial restoral, network management facilities; diagnostic control panel with two-line, 48-character menu-driven display.

34x0
19.2K bps Max. Baud Rate • Leased Line Modem • Auto Dial • A/S Transmission • 1 y Warranty
The 34x0 features fully integrated Network Management System capabilities for comprehensive diagnostic monitoring, test and control. This model is a standalone modem.

34x1
19.2K bps Max. Baud Rate • Leased Line Modem • A/S Transmission • 1 y Warranty
The 34x1 modems operate with shared Auxiliary Diagnostic Control Panel and loadshare power supply system to accommodate high-density point-to-point and multipoint applications.

34x3
19.2K bps Max. Baud Rate • Leased Line Modem • A/S Transmission • 1 y Warranty
The 34x3 series are multiport, nest mount, leased line modems with fully integrated multiplexing, and network management facilities.

Black Box Corporation

1200HC
1200 Max. Baud Rate • Voice Band Modem • Auto Dial • Async Transmission • 3 y Warranty
Hayes compatible.

201 BC/AS
2400 Max. Baud Rate • Voice Band Modem • A/S Transmission • 3 y Warranty
Operates in multipoint applications.

208 A/B
4800 Max. Baud Rate • Voice Band Modem • Sync Transmission • 3 y Warranty
Features antistreaming detector and operates in multipoint applications.

208 AB/AS
4800 Max. Baud Rate • Voice Band Modem • A/S Transmission • 3 y Warranty
Features antistreaming detector, built-in async to sync converter, and operates in multipoint applications.

224 ATD
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 3 y Warranty
Hayes Compatible.

2400 HC
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 3 y Warranty
This modem features Hayes Smartmodem 2400 compatibility, MNP error correction, nonvolatile memory, and soft set configuration via EIA interface.

2400 Security Modem
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Async Transmission • 3 y Warranty
This modem features three security levels and storage of 16 passwords and phone numbers.

2400/120
2400 Max. Baud Rate • Leased LIne Modem • A/S Transmission • 3 y Warranty
This modem can be used in point-to-point or multipoint modes.

3/12 NPR
1200 Max. Baud Rate • Voice Band Modem • Async Transmission • 3 y Warranty
This modem is powered from telephone lines.

9600 FP
9600 Max. Baud Rate • Voice Band Modem • Sync Transmission • 3 y Warranty
This modem is designed for use on multipoint networks over Bell 3002 unconditioned lines. A train-on data feature allows you to add slave modems without interrupting network operations.

All-in-One
19.2K bps Max. Baud Rate • Auto Dial • A/S Transmission
Ideal for multiple CPU environments, the All-In-One V.32 features MNP5 and Trellis coding.

CSU/DSU
9600 Max. Baud Rate • DDS Ntwrk. Modem • A/S Transmission • 3 y Warranty
Suitable for point-to-point or multipoint applications. For use on the Digital Dataphone Service network.

CSU/DSU V.35
56K bps Max. Baud Rate • DDS Ntwrk. Modem • Sync Transmission • 3 y Warranty
Use this unit to link V.35 sync devices to the DDS network via high-speed V.35 line.

Modem Rack
3 y Warranty
Stores up to 16 printed circuit-card modems. Cards may be removed and replaced with the power on so service is not interrupted.

Security Modem
1200 Max. Baud Rate • Dialup Modem • Auto Dial • Async Transmission • 3 y Warranty
Stores up to 25 user ID codes with callback numbers. Also prevents anyone from making unauthorized calls from the host.

V.32
9600 Max. Baud Rate • Dial up Modem • Auto Dial • A/S Transmission • 3 y Warranty
This modem features error-reducing Trellis encoding, call progress detection, and eight test modes.

Bo-Sherrel Company, Inc.

LD-3M
19.2K bps Max. Baud Rate • Line Driver Modem • Async Transmission • 2 y Warranty
Operates without connecting to the main power supply by using ultra low power from data and control signals for local area networks.

M-1AR
19.2K bps Max. Baud Rate • Ltd. Dist. Modem • Async Transmission • 2 y Warranty
Intended for local communication between computers, printers and displays. Supports carrier detect signal to accommodate equipment using it as a buffer full indicator.

M-3
19.2K bps Max. Baud Rate • Line Driver Modem • Async Transmission • 2 y Warranty
Operates without connecting to the main power supply. Line driving is performed by two-way balanced current loop.

M-5S
38.4K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 2 y Warranty
Equipped with a selectable DTE/DCE switch and request to send (RTS) and clear to send (CTS) delays.

M-E
38.4K bps Max. Baud Rate • Eliminator Modem • A/S Transmission • 2 y Warranty
Designed to replace two modems within 800 feet. Connects to two DTE devices (terminals, computers or controllers) and is equipped with request to send (RTS) and clear to send (CTS) delays.

Canoga-Perkins

2121
19.2K bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty
The 2121 is used to link CPU to terminals or personal computers.

2250
153.6K bps Max. Baud Rate • Fiber Optic Modem • A/S Transmission • 1 y Warranty

2260
2.048M bps Max. Baud Rate • Fiber Optic Modem • 1 y Warranty
Support 1.544 data speeds. Available with redundant fiber optics and 1300nm single/multimode options.

2270
20M bps Max. Baud Rate • Fiber Optic Modem • A/S Transmission • 1 y Warranty
Ideal for KGs-to-Fiber applications. Equipped with 12 interchangeable interfaces, internal or external clocking; available with a redundant fiber optics option.

2280
12.6M bps Max. Baud Rate • Fiber Optic Modem • A/S Transmission • 1 y Warranty
Designed for external clock-and-data applications. Equipped with 12 interchangeable interfaces; available with redundant fiber optics and 1300 single/multimode options.

2290
12.6M bps Max. Baud Rate • Fiber Optic Modem • A/S Transmission • 1 y Warranty
Equipped with 12 interchangeable interfaces and internal or external clocking; available with redundant fiber optics and 1300 single/multimode options.

Case/Datatel

DCD3157
64K bps Max. Baud Rate • Ltd. Dist. Modem • A/S Transmission
LDM for point-to-point applications. May be used in async app. Seven speeds to 64K with RS232 interface.

DCP3000
64K bps Max. Baud Rate • Ltd. Dist. Modem • Async Transmission
Feature a point-to-point operating mode. Includes RS232 interface.

DCP3020
64K bps Max. Baud Rate • Ltd. Dist. Modem • Async Transmission
The DCP3020 features point-to-point, multidrop polled, and dial emulation modes, and has RS232 interface.

DCP3050
19.2K bps Max. Baud Rate • Ltd. Dist. Modem • A/S Transmission
Sync LDM for point to point and multidrop polled applications. Speeds to 19.2K bps with RS232 interface.

DCP3055
19.2K bps Max. Baud Rate • Ltd Dist Modem • A/S Transmission
LDM with auto speed detection for point-to-point applications. Five speeds to 19.2K bps with RS232 interface.

DCP3057
64K bps Max. Baud Rate • Ltd. Dist. Modem • A/S Transmission
Same as above.

DCP3080
56K bps Max. Baud Rate • Ltd. Dist. Modem • Sync Transmission
The DCP3080 features point-to-point and multidrop polled modes. Includes both RS232 and V.35 interfaces.

DCP3083
56K bps Max. Baud Rate • Ltd. Dist. Modem • Sync Transmission
Includes both RS232 and RS422 interfaces.

DCP3100
64K bps Max. Baud Rate • Ltd. Dist. Modem • Async Transmission
Features a point-to-point operating mode. Includes RS232 interface.

DCP3120
64K bps Max. Baud Rate • Ltd. Dist. Modem • Async Transmission
The DCP3120 features point-to-point, multidrop polled, and dial emulation modes, and has RS232 interface.

DCP3150
19.2K bps Max. Baud Rate • Ltd. Dist. Modem • A/S Transmission
Sync LDM for point-to-point and multidrop polled applications. Speeds to 19.2K bps with RS232 interface.

DCP3155
19.2K bps Max. Baud Rate • Ltd. Dist. Modem • A/S Transmission
LDM with auto speed detection for point-to-point applications. Five speeds to 19.2K bps with RS232 interface.

DCP3180
56K bps Max. Baud Rate • Ltd. Dist. Modem • Sync Transmission
The DCP3180 features point-to-point and multidrop polled modes. Includes RS232 and V.35 interfaces.

DCP3183
56K bps Max. Baud Rate • Ltd. Dist. Modem • Sync Transmission
Includes both RS232 and RS422 interfaces.

Codex Corporation

2123 LDSU
19.2K bps Max. Baud Rate • Ltd. Dist. Modem • A/S Transmission • 1 y Warranty
The 2123 LDSU features network control and provides a full range of monitoring, control, test and restoral capabilities.

2171 LDM
19.2K bps Max. Baud Rate • Ltd. Dist. Modem • A/S Transmission • 1 y Warranty
One of a series of high-performance LDSUs incorporating Quadrature Diphase Modulation with advanced LSI and thick-film technologies for superior transmission reliability.

2172 LDM
80K bps Max. Baud Rate • Ltd. Dist. Modem • Sync Transmission • 1 y Warranty
A high speed modem designed for intra- and interpremises data communication with automatic adaptive equalization to maintain virtually error-free transmission.

2173 LDSU
9.6K bps Max. Baud Rate • LDM Modem • Auto Dial • A/S Transmission • 1 y Warranty

2174 LDSU
8K bps Max. Baud Rate • LDM Modem • Auto Dial • A/S Transmission • 1 y Warranty
The 2173 LDSU and 2174 LDSU feature network control and provide a full range of monitoring, control, test and restoral capabilities.

2177 LDSU
19.2K bps Max. Baud Rate • Ltd. Dist. Modem • Async Transmission • 1 y Warranty
Incorporates a design that utilizes the unique characteristics of metallic circuits thereby allowing high speed at a significantly lower price than conventional modems.

2205
4800 Max. Baud Rate • Voice Band Modem • Auto Dial • Sync Transmission • 1 y Warranty

2206
9600 Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
The 2206 features a powerful automatic digital adaptive equalizer with multiple settings to optimize operation. This ensures greater error-free throughput even over marginal lines.

2219
1200 Max. Baud Rate • Voice Band Modem • Async Transmission • 1 y Warranty
The rackmount version of the 2219 may be used in the Codex multiple modem enclosure.

2234
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 1 y Warranty
Integral auto calling unit supports "AT" command compatible mode and a synchronous V.25bis Codex Terse mode. Auto baud provides constant terminal speed.

2239
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 1 y Warranty

2264
9.6K bps Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 1 y Warranty
Features 32-state Trellis coded modulation, an internal eye pattern generator (EPG), MNP class 4 error correction, and operates with synchronous DTE equipment.

2320
4800 Max. Baud Rate • Voice Band Modem • A/S Transmission • 1 y Warranty

2340
9.6K bps Max. Baud Rate • Voice Band Modem • A/S Transmission • 1 y Warranty
An optional four-channel buffered multiplexer is available allowing optimal line utilization for the most demanding networks.

2362
14.4K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
Features eight-state Trellis coded modulation, an internal eye pattern generator (EPG), and is available with an optional four- or six-channel time division multiplexer.

2680
19.2K bps Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
Features an internal two-channel (four- and six-channels are optional) time-division buffered multiplexer, and is compatible with all Codex Network Management systems.

Computer Products, Inc.

GT303
2400 Max. Baud Rate • Auto Dial • Async Transmission • 1 y Warranty
Provides a Hayes compatible modem to a Q-bus based computer as an I/O port. Features DLV11-E emulation.

CXR Telcom Corporation

1212-AD3H
1200 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
1212-AD3H features the AT command set, a 25 number storage capability, MI/MIC and A/AI operation, and multiple security modes.

1212-STH
1200 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
1212-STH features MI/MIC operation, the AT command set and answerback security.

1243-223
1200 Max. Baud Rate • Voice Band Modem • Async Transmission • 1 y Warranty
1243-233 is a modem card designed for central site, information services type applications. Three modems/card and 48 modems per 7" high card cage.

1951-1D
19.2K bps Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 1 y Warranty
1951-1D provides 4-W (unconditioned) LL operation with unattended automatic dial back-up at 19.2K bps. Automatic fallback/fallforward rates, and more. Two-, four,-eight-channel TDM available.

2412-STH
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
The 2412-STH features an optional MNP level 4 and 5 error correction and data compression. Compatible with CCITT V.22bis/V.22, Bell 212A/103. Uses AT commands.

2441-1
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
2441-1 is a modem card designed for card cage or standalone case. Features 25 phone number storage, dial or 2W/4W LL operation and 16 modems per 7" high card cage.

2441-2
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
2441-2 is a modem card designed for the UCCA-01 card cage or the UCSA-03 standalone case. Features 10-phone-number storage, a menu dialer, and more.

9632-STH
9600 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
9632-STH features include multiple dial and 2-WLL modes/data rates MNP 4/5 error corrections/data compression, multiple security modes, 10 stored operating configurations and more.

9641-1
9600 Max. Baud Rate • Voice Band Modem • A/S Transmission • 1 y Warranty
9641-1 is a modem card designed for the UCCA-01 rackmount card cage or the UCSA-03 standalone case. The dimensions for the modem card are 7x2x12.

9641-1D
9600 Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 1 y Warranty
Same as 9641-1. The 9641-1D also features unattended automatic dial back-up (UADBU) and intelligent loopback.

9641-1F
9600 Max. Baud Rate • Voice Band Modem • A/S Transmission • 1 y Warranty
The 9641-1F is a modem card designed for the UCCA-01 rackmount card cage or the UCSA-03 standalone case. Dimensions are 7x2x12. Features fast poll operation.

9641-1FD
9600 Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 1 y Warranty
Same as 9641-1F except the 9641-1FD also features unattended automatic dial back-up (UADBU) and intelligent loopback.

9651-1MV
9600 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
9651-1MV features dial network and 2W/4W leased line operation with unattended automatic dial back-up MNP4/5 error correction/data compression, multiple modes/data rates, and more.

9651-2MV
9600 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
9651-2MV provides many of the same features and options as the 9651-1MV, but does not include leased line operation.

Datacom Technologies, Inc.

192
19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty

193
19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
192 and 193 feature internal, external, or received clock, selectable transmitter output level and receiver sensitivity, and are able to multidrop up to 16 units.

300
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 1 y Warranty

400
19.2K bps Max. Baud Rate • Short Haul Modem • Sync Transmission • 1 y Warranty
Used as either DTEs or DCEs and feature optical isolated data transmission.

DCB, Inc.

PL 14.4
14.4K bps Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
PL 14.4 model features a receive level indicator.

PL 14.4 Plus
14.4K bps Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty

PL 19.2 Plus
19.2K bps Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
The PL 14.4 Plus and PL 19.2 Plus feature internal diagnostics that are accessible with any asynchronous terminal.

PL 4.8
4800 Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
PL 4.8 features a receive level indicator.

PL 4.8 Plus
4800 Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
PL 4.8 Plus features internal diagnostics that are accessible with any asynchronous terminal.

PL 9.6
9600 Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
PL 9.6 features a receive level indicator.

PL 9.6 Plus
9600 Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
PL 9.6 Plus features internal diagnostics that are accessible with any asynchronous terminal.

Fairchild Data Corporation

M8023
10M bps Max. Baud Rate • Ethr. BrdBnd. Modem • Async Transmission • 1 y Warranty
M8023 Ethernet on Broadband modem can build host-to-host communication networks on existing broadband systems. Our Broadband Ethernet modem links existing Ethernet networks.

Fastcomm Data Corporation

FDX 2448B
2400 Max. Baud Rate • V.22bis Modem • Auto Dial • Alternate Voice • Async Transmission • 1 y Warranty
The FDX 2448B provides MNP 4 and MNP 5 data compression for asynchronous throughput or 4800 bps error free, 100 percent Hayes compatibility.

FDX 2448LL
4800 Max. Baud Rate • V.22bis Modem • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The FDX 2448 provides 100 percent Hayes compatibility, MNP 4 and MNP 5 data compression and two-level security plus four-wire leased lines.

FDX 9624
19.2K bps Max. Baud Rate • Asymmetric Modem • Auto Dial • Alternate Voice • Async Transmission • 2 y Warranty
The FDX 9624 provides V.32 performance at a V.22bis price.

FDX 9696
19.2K bps Max. Baud Rate • V.32 Modem • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The FDX 9696 is an "all speeds in one modem" that communicates with all V.32, V.22bis, 212A, 103 modems. Provides 100 percent Hayes compatibility, password security.

FDX 9696B
19.2K bps Max. Baud Rate • V.32 Modem • Auto Dial • Alternate Voice • Async Transmission • 2 y Warranty
The FDX 9696B is a V.32 half card with "all speeds in one," MNP 4 and MNP 5, 100 percent Hayes compatibility, and two-level security.

FDX 9696RM
19.2K bps Max. Baud Rate • V.32 Modem • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The FDX 9696RM is a rackmount modem designed to fit into the FDX Fastrack Chassis which will house up to 10 FDX modems.

FDX 9696RMV
19.2K bps Max. Baud Rate • V.32 Modem • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The 9696RMV may be used as a replacement modem for the old Racal Vadic MDS I rack models and the concord RM16. Provides 100 percent Hayes compatibility.

FDX 9696S
19.2K bps Max. Baud Rate • V.32 Modem • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The FDX 9696S provides all the advanced features of the FDX 9696 plus dial-back security.

FDX 969LL
19.2K bps Max. Baud Rate • V.32 Modem • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The FDX 9696LL incorporates all the advanced features of the FDX 9696 with the addition of four-wire leased lines.

Gandalf Data, Inc.

ACCESS 24A
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • Async Transmission
Features full Hayes command support and nonvolatile configuration and phone number storage.

DOV 640
64K bps Max. Baud Rate • Private Line Modem • Alternate Voice • A/S Transmission
Extends ISDN-B channels up to 12,000 feet on a single 24 AWG twisted pair. Supports analog voice on a single pair of wires.

LDM 192
19.2K bps Max. Baud Rate • Leased Line Modem • A/S Transmission
This modem handles both point-to-point asynchronous and synchronous applications.

LDM 419
9600 Max. Baud Rate • Voice Band Modem • A/S Transmission
Features split channel operation. The rackmount version uses the Gandalf 3000 system for maximum cost/performance.

LDS 120E
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission
Features point-to-point or multidrop operation, auto-equalizing, auto-phasing and advanced diagnostic features. Rackmount version uses Gandalf 3000 and 900 systems for maximum cost/performance.

LDS 309A
19.2K bps Max. Baud Rate • Short Haul Modem • A/S Transmission
Features point-to-point or multidrop functions. The rackmount version uses the Gandalf 3000 system for maximum cost/performance.

LH 208
4800 Max. Baud Rate • Voice Band Modem • Alternate Voice • A/S Transmission
Features an auto-equalizing receiver and dial-up or dedicated line compatibility.

LH 96FP
9600 Max. Baud Rate • Voice Band Modem • Sync Transmission
Features point-to-point or multidrop functions.

LH14.4
9600 Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
Features Trellis coded modulation for increased noise immunity.

mLDS 122
9600 Max. Baud Rate • Short Haul Modem • Async Transmission
Features miniature design packaging. Power derived from interface with high isolation from line transients and noise. Compatible with LDS standalone and rackmount products.

mLDS 123E
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission
Miniaturized local modem that gets its power from the interface. Features high isolation from line transients and noise. Compatible with the LDS 120 standalone, rackmount products.

mLDS 123X
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission
A miniaturized local modem that gets its power from the interface. Compatible with the LDS 120 standalone and rackmount products.

General Datacomm Industries

DataComm 19202A
19.2K bps Max. Baud Rate • Private Line Modem • Auto Dial • A/S Transmission • 1 y Warranty
Private line modem that features autospeed that optimizes overall throughput by adapting the modem's speed to actual line quality.

DataComm 296B
906K bps Max. Baud Rate • Swt. Ntwk. Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
The DataComm 296B features full CCITT V.32 support, including four-wire private line support, as well as auto dial back-up and automatic leased line restoral.

DataComm 596
9.6K bps Max. Baud Rate • Swt. Ntwk. Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
The DataComm 596 features full CCITT V.32 and V.22bis support, including four-wire private line support. Fully automatic five-speed handshake.

Desktop 9600 RPA
9.6K bps Max. Baud Rate • Leased Line Modem • Auto Dial • A/S Transmission • 1 y Warranty
The Desktop 9600 RPA is a multidrop modem in a desktop enclosure, with rapid polling capability.

Desktop V.29 RPA
9.6K bps Max. Baud Rate • 1 y Warranty
The Desktop V.29 RPA is a multidrop modem in a desktop enclosure that is used for international communications.

GDC 19202A ADR
19.2K bps Max. Baud Rate • Swt. Ntwk. Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
Private line/switched network modem that features autospeed that optimizes overall throughput by adapting its speed to actual line quality.

LAN Systems, Inc.

LAN-A1
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 2 y Warranty
DTE/DCE selectable feature with bidirectional handshake signals. Does not require power supply, optical isolation, available with male or female connector.

LAN-A1-8
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 2 y Warranty
Features optical isolation on all eight channels. Also available with 19" rackmount that is able to hold up to 128 short haul modems.

LAN-A2
38.4K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 2 y Warranty

LAN-A8
38.4K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 2 y Warranty
DTE/DCE selectable feature with bidirectional handshake signals. Do not require power supply, and are available with optical isolation. Also feature built-in lighting protection.

LAN-HSME
892K bps Max. Baud Rate • Eliminator Modem • A/S Transmission • 2 y Warranty
Features internal or external clocking and RTS to CTS delays. CCITT/V.35 Interface.

LAN-MAM8 PLUS
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 2 y Warranty
Features optical isolation and unlimited multipoint functions on each channel by wiring LAN-S1 at remote end.

LAN-ME
64K bps Max. Baud Rate • Eliminator Modem • A/S Transmission • 2 y Warranty
Features internal or external clocking and RTS to CTS delays.

LAN-S1
38.4K bps Max. Baud Rate • Short Haul Modem • A/S Transmission • 2 y Warranty
Features switch selectable DTE/DCE, optical isolation, built-in lighting protection, point-to-point or multipoint functions, internal or external clocking, and RTS to CTS delays.

LAN-S2
38.4K bps Max. Baud Rate • Short Haul Modem • A/S Transmission • 2 y Warranty
Features switch selectable DTE/DCE, optical isolation, built-in lighting protection, unlimited or multipoint functions, internal or external clocking, and RTS to CTS delays.

Microcom, Inc.

AX/2400
2900 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
CCITT V.22 modem supporting MNP class 4 error correction.

AX/2400c
4800 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
CCITT V.22 modem providing MNP class 5 data compression for throughputs reaching 4800 bps. Features include remote configuration, connection security, and MI/MCI.

AX/9624c
19.2K bps Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
MNP class 6 modem capable of up to 19,200 bps over dial up line. Features include remote configuration, connection security, UUCP/Kermit support, and MI/MIC.

QX/12K
12K bps Max. Baud Rate • Auto Dial
V.22bis compatible. Available in rackmount and standalone models.

QX/2400T
12.0K bps Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
CCITT V.22-compatible modem utilizing MNP class 10 adverse channel enhancements (ACE) for use on poor quality and cellular telephone circuits. Throughputs up to 12,000 bps.

QX/3296C
19.2K bps Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
CCITT V.32-compatible modem supporting MNP class 5 for throughputs up to 19,200 bps. Features include remote configuration, connection security, and UUCP/Kermit support.

Qx/3296Hs
30.0K bps Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
CCITT V.42-compliant modem capable of 30,000 bps utilizing V.42bis data compression. MNP class 10 adverse channel enhancements (ACE) supported for increased connection capability.

QX/V.32c
30K bps Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
V.32 compatible. Available in rackmount and standalone models. CCITT V.32-compatible modem capable of up to 30,000 bps utilizing MNP class 9. Features include remote configuration, two- and four-wire leased line, and MI/MIC.

Multi-Tech Systems, Inc.

MT208AH
4800 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
4800, 2400 bps modem. Full duplex. Also can run half duplex over two-wire/dial-up; async with auto-dial, auto-answer.

MT212EH
2400 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
Rackmount/standalone modem. Dial-up or leased line. automatically negotiates 1200/300 bps with remote modem. Error correction and data compression functionality.

MT212ER
1200 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
Rackmount/Standalone modem. Dial-up or leased line. Automatically negotiates 1200/300 bps with remote modem. Error correction and data compression functionality.

MT224E7
2400 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The multimodem 224E7 utilizes any terminal/computer that has an RS232C interface or equivalent. Functions include AT command set compatibility, MNP5/7 data compression and more.

MT224EH
2400 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The multimodem is a data compressor/error correction modem. Operates and automatically negotiates at 2400/1200/300 bps over dial-up and leased lines.

MT224ER
2400 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
Rackmount/standalone type modem. Dial-up or leased line. Automatically negotiates 2400/1200/300 bps with remote modem.

MT224ES
2400 Max. Baud Rate • Auto Dial • Alternate Voice • Async Transmission • 2 y Warranty
The multimodem 224ES is a full size internal cord for IBM PS/2 micro channel computer models 50, 60, and 80 and includes Procomm software.

MT224PS
2400 Max. Baud Rate • Auto Dial • Async Transmission • 2 y Warranty
The multi model 224PS is a full-size internal card for IBM PS/2 micro channel computer models 50, 60, and 80 and includes Procomm software.

MT696E
4600 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
External modem. Operates over two-wire dial-up and leased lines; full duplex using MNP class 6 quick-turnaround (23ms) pseudo-duplex technique.

Multimodem V32
9600 Max. Baud Rate • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The multimodem V.32 is both a data compression and error correction modem. Some of the functionalities include callback and remote configuration, V.42 and V.25bis.

N.E.T. Access Products Division

IM-9600
9600 Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
Compatible with CCITT recommendations V.29, IM-9600 is designed to integrate with N.E.T.'s point-to-point multiplexers operating full-duplex over private four-wire, unconditioned leased lines.

NM-1440
14.4K bps Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
NM-1440 operates in full duplex over unconditioned four-wire leased Telco lines and features Trellis coed modulation and network management features, along with loopback diagnostics.

NM-1920
19.2K bps Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
NM-1920 is a 19.2K bps network modem suitable for operation over four-wire leased lines. Integrates into most leased line

environments, delivering highly reliable data transmission.

NM-9600
9600 Max. Baud Rate • Voice Band Modem • Sync Transmission • 1 y Warranty
NM-9600 mid-range full-duplex modem supports CCITT recommendation V.29. Has built-in network management and diagnostics including local and remote loopback for testing specific system components.

Patton Electronics Company

100
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 1 y Warranty
Miniature, no external power or batteries required.

101
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 1 y Warranty
Miniature, no external power or batteries required, meets Bell 43401 spec.

110
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 1 y Warranty
Miniature, no external power or batteries required, transformer isolated.

111
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission
Miniature, no external power or batteries required, transformer isolated, meets Bell 43401 spec.

112
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 1 y Warranty
Miniature, no external power or batteries required, point-to-point or multipoint operation, transformer isolated.

120
19.2K bps Max. Baud Rate • Short Haul Modem • Sync Transmission • 1 y Warranty
Miniature, no external power or batteries required.

121
19.2 Max. Baud Rate • Short Haul Modem • Sync Transmission • 1 y Warranty
Miniature, no external power or batteries required, meets Bell 43401 spec.

130
9600 Max. Baud Rate • Short Haul Modem • Sync Transmission • 1 y Warranty
Miniature, no external power or batteries required, point-to-point or multipoint operation.

131
19.2 Max. Baud Rate • Short Haul Modem • Sync Transmission • 1 y Warranty
Miniature, no external power or batteries required, point-to-point or multidrop operation, meets Bell 43401 spec.

140
64K bps Max. Baud Rate • Short Haul Modem • Sync Transmission • 1 y Warranty
Miniature, no external power required, high speed.

200
19.2K bps Max. Baud Rate • Modem Eliminator Modem • Sync Transmission
Model 200 is a modem emulation unit in a miniature box with an RS232 connector on both ends. It does the job of two synchronous modems.

Racal-Milgo

COM-LINK 7/7S
19.2K bps Max. Baud Rate • Ltd. Dist. Modem • A/S Transmission • 1 y Warranty
The COMLINK 7S operates with the Racal-Milgo CMS network management system.

COM-LINK 9
19.2 Max. Baud Rate • A/S Transmission • 1 y Warranty
COM-LINK 9 is a software-controlled limited distance modem.

LDM-V.35
56K bps Max. Baud Rate • Ltd. Dist. Modem • Sync Transmission • 1 y Warranty
Features a full secondary channel and operates over four-wire metallic lines and local area data circuits in point-to-point mode.

Omnimode 14.4FP
14.4K bps Max. Baud Rate • High Speed Modem • Auto Dial • A/S Transmission • 1 y Warranty
Features CMS network management, dial back-up, six-port TDM multiplexer. Integral DES encryption available; multiport, multidrop option.

Omnimode 1614
16.8K bps Max. Baud Rate • High Speed Modem • Auto Dial • A/S Transmission • 1 y Warranty
Features CMS network management support, integral automatic four-wire dial back-up, and an integral six-port TDM multiplexer. Integral DES encryption is an available option.

Omnimode 96
9600 Max. Baud Rate • High Speed Modem • Auto Dial • A/S Transmission • 1 y Warranty
Features CMS network management support, integral automatic four-wire dial back-up, and an integral four-port TDM multiplexer. Integral DES encryption is an available option.

RMD 2412/2
300 Max. Baud Rate • V.22 Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
Features V.42bis, MNP, 2-4 error correction and MNP5 data compression; AT and Racal-Vadic auto dialing; 15-number storage with auto logon; built-in speaker.

RMD 3221
120 Max. Baud Rate • V.32 Modem • Auto Dial • A/S Transmission • 1 y Warranty
The RMD 3221 is a V.32 multimode, high-performance, full-duplex modem; features two-wire leased line and dial capabilities, with MNP CI.2-5.

RMD 3222
14.4 Max. Baud Rate • V.32 Modem • Auto Dial • A/S Transmission • 1 y Warranty
The RMD 3222 is a V.32 multimode, multispeed 14,400 bps full-duplex modem with V.42bis features, extensive protocols with half-duplex emulation and sync/async auto dial support.

RMD 3264
14.4 Max. Baud Rate • V.32 Modem • Auto Dial • A/S Transmission • 1 y Warranty
The RMD 3264 is two modems on a single rackmount card; multispeed V.32 FDX modem. Features callback security via RMD 930 card; V.42bis.

RMD 3281
9.6 Max. Baud Rate • V.32 Modem • Auto Dial • A/S Transmission • 1 y Warranty
The RMD 3281 is a V.32 multi-mode, high-performance, full-duplex modem. Features 31-telephone-number storage.

RMD 4492E
2.4 Max. Baud Rate • V.22 Modem • Auto Dial • Alternate Voice • Sync/Async Transmission • 1 y Warranty
Features two modems per each rackmount card; network management; MNP 2-4, error connection and MNP5 data compression; AT and Racal-Vadic dialing; V.42bis.

RMD 4850
4800 Max. Baud Rate • Bell 208 Modem • Auto Dial • Alternate Voice • Sync Transmission • 1 y Warranty
Features sync auto dialing (SADL); stores 15 telephone numbers; LCD front panel; Integral Bell 801 dialer.

RMD 4891T
4.8 Max. Baud Rate • 208 Modem • Auto Dial • Alternate Voice • Sync Transmission • 1 y Warranty
Features Network Management, auto detection of Bell 201/208; sync auto dialing (SADL); two-wire dial-up or four-wire leased.

Vi 2422PA-SC
300 Max. Baud Rate • V.22 Modem • Auto Dial • Alternate Voice • Sync/Async Transmission • 1 y Warranty
Features LCD front panel; MNP 2-4 error correction; MNP 5 data compression; AT and V.25bis dialing; call-back security, modem manager; 15-number storage, V.42bis.

Rad Data Communications

FLM-1
38.4K bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty

MiniModem
19.2K bps Max. Baud Rate • Short Range Modem • A/S Transmission
The MiniModem Series are transformer-isolated from telephone lines for uninterrupted transmission and equipment protection.

SRM-6AC
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 1 y Warranty
Line transformer isolated; DTE/DCE switch; no AC required; switch carrier flow control.

SRM-6D
19.2K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 1 y Warranty
No AC required.

SRM-6DX
19.2K bps Max. Baud Rate • Async Transmission • 1 y Warranty

SRM-6H
64K bps Max. Baud Rate • Short Haul Modem • Sync Transmission • 1 y Warranty
RS232 interface; speed-selectable 16,32,6HK; line transformer isolated; no AC required.

SRM-6S
19.2K bps Max. Baud Rate • Short Haul Modem • Sync Transmission • 1 y Warranty
Line transformer isolated; no AC required.

SRM-6SC
19.2K bps Max. Baud Rate • Short Haul Modem • Sync Transmission • 1 y Warranty
Line transformer isolated; no AC required; P-to-PMP; Int., RCV, & Ext. clock.

Raycom Systems, Inc.

2605/2606
1.544M bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty
These fiber optic modems provide high-speed interconnection of T1 channels in point-to-point applications spanning up to 10Km. Meets all Bell standards.

SI Tech

2001
56K bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty

2004
56K bps Max. Baud Rate • Fiber Optic Modem • Sync Transmission • 1 y Warranty

2005
56K bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty

2010
9600 Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty

2025
56K bps Max. Baud Rate • Short Haul Modem • Async Transmission • 1 y Warranty

2105
56K bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty

2304
56K bps Max. Baud Rate • Fiber Optic Modem • Sync Transmission • 1 y Warranty

2305
56K bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty

2505
56K bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty

2507
19.2K bps Max. Baud Rate • Async Transmission • 1 y Warranty

2526
19.2K bps Max. Baud Rate • Async Transmission • 1 y Warranty

2856
20M bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty

2857
10M bps Max. Baud Rate • Fiber Optic Modem • Async Transmission • 1 y Warranty

Telcor Systems Corporation

1248MA
4800 Max. Baud Rate • Auto Dial • Alternate Voice • Async Transmission • 3 y Warranty
Password/callback security is standard with DES-encrypted output as an optional feature. Hayes and MNP compatible.

2424MA
2400 Max. Baud Rate • Leased Line Modem • Auto Dial • Alternate Voice • Async Transmission • 3 y Warranty
Provides comprehensive security features while being compatible with all other industry standard modems. DES-encrypted output optional. Hayes and MNP compatible.

2448MA
4800 Max. Baud Rate • Auto Dial • Alternate Voice • Async Transmission • 3 y Warranty
Provides comprehensive security features. DES-encrypted output optional. MNP level 5 data compression.

2496MA
9600 Max. Baud Rate • Leased Line Modem • Auto Dial • Alternate Voice • Async Transmission • 3 y Warranty
Provides comprehensive security features and is compatible with all industry standard modems. DES-encrypted output optional. Hayes, MNP compatible. Modem speed of 9600 bps is possible.

2938MA
38.4K bps Max. Baud Rate • Leased Line Modem • Auto Dial • Alternate Voice • Async Transmission • 3 y Warranty
Provides comprehensive security features while being compatible with all other industry standard modems. DES-encrypted output optional. Modem speeds up to 38.4K bps are available.

3219MA
19.2K bps Max. Baud Rate • Leased Line Modem • Auto Dial • Alternate Voice • Async Transmission • 3 y Warranty
Provides comprehensive security features while being compatible with all other industry standard modems. DES-encrypted output optional. Modem speeds up to 19.2K bps are available.

3238MA
38.4K bps Max. Baud Rate • Leased Line Modem • Auto Dial • Alternate Voice • Async Transmission • 3 y Warranty
Provides comprehensive security features while being compatible with all other industry standard modems. DES-encrypted output optional. Modem speeds up to 38.4K bps are available.

3264PC
70K bps Max. Baud Rate • Leased Line Modem • Auto Dial • Alternate Voice • Async Transmission • 3 y Warranty
Provides comprehensive security features while being compatible with all other industry standard modems. DES-encrypted output optional. Modem speeds up to 70K bps are available.

Telebit Corporation

T1000
9600 Max. Baud Rate • Dial-up Modem • Auto Dial • Async Transmission • 1 y Warranty
Features built-in support for UNIX UUCP, Kermit, Xmodem, and Ymodem file transfer protocols for optimum performance in a broad range of computing environments.

T2000
19.2K bps Max. Baud Rate • Dial-up Modem • Auto Dial • Async Transmission • 1 y Warranty
Supports SDLC, UNIX UUCP, Kermit, Xmodem, Ymodem protocols. Allows critical, data-intensive applications such as remote transfer of high-resolution graphics, CAD/CAE data, and medical images.

T2500
19.2K bps Max. Baud Rate • Dial-up Modem • Auto Dial • A/S Transmission • 1 y Warranty
Modem employs PEP error control and data compression in high speeds and MNP class 5 error control and data compression in V.32 and slow speeds.

TrailBlazer Plus
19.2K bps Max. Baud Rate • Dial-up Modem • Auto Dial • Async Transmission • 1 y Warranty
Allows critical, data-intensive applications such as remote transfer of high-resolution graphics, CAD/CAE data and medical images. Supports industry-standard modem command set.

Telenetics Corporation

24R
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 5 y Warranty

24S
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 5 y Warranty
The 24S is Hayes compatible, includes MNP error correction. Includes X.25 as an option.

24R-MP
2400 Max. Baud Rate • Voice Band Modem • Auto Dial •
Alternate Voice • A/S Transmission • 5 y Warranty

24S-MP
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 5 y Warranty
The 24S-MP and 24R-MP are Hayes-compatible and include an X.25 PAD, eliminating the necessity for separate communications card. GTE Telenet and Canadian Datapac Certified.

OZ2496E
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 5 y Warranty
The OZ Guardian OZ2496E security modem provides passwords, callback security and device authentification. Hayes compatibility, remote configuration and event logging are included.

TC1200
1200 Max. Baud Rate • Voice Band Modem • Auto Dial • A Transmission • 5 y Warranty
The TC1200 is Hayes 1200 Smartmodem compatible. It gives you consistent error-free operation over all common phone lines. Quick Link software is included.

TC2400
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • Async Transmission • 5 y Warranty
The TC2400 is a Hayes compatible with adaptive equalization for error-free transmission. Quick Link software is included.

TC921S-24
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 5 y Warranty
The TC921S-24 features MNP Level 5 and remote configuration. It has X.25 PAD or callback/password security option.

TC96/V.32
300 Max. Baud Rate • Voice Band Modem • Auto Dial • Alternate Voice • A/S Transmission • 2 y Warranty
The TC96/V.32 provides Hayes compatibility, MNP through class 5, remote configuration, single password security and MIMIC control.

U. S. Robotics, Inc.

Courier 1200
1200 Max. Baud Rate • Voice Band Modem • Auto Dial • Async Transmission • 2 y Warranty

Courier 2400
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Async Transmission • 2 y Warranty

Courier 2400e
2400 Max. Baud Rate • Voice Band Modem • Auto Dial • Async Transmission • 2 y Warranty
Includes MNP Class 1-5 error control and data compression.

Courier HST
14.4K bps Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 2 y Warranty
Features asymmetric full duplex at high speeds. Includes MNP Class 1-5 error control and data compression.

Courier HST Dual Std
14.4K bps Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 2 y Warranty
This modem is compatible with CCITT V.32 and all other major modulation standards from 300 through 19,200 bps. Includes MNP Class 5 error control and data compression.

Rackmount 30 MMS
14.4K bps Max. Baud Rate • Voice Band Modem • Auto Dial • A/S Transmission • 2 y Warranty
The Rackmount 30 MMS (Modular Modem System) features a standard 19" rack with two power supplies and is available in 2400 bps and 9600 bps models.

UDS

108
300 Max. Baud Rate • Long Haul Modem • Async Transmission • 1 y Warranty
Designed for multipoint operation. Transmits 300 bps data over two- or four-wire leased lines. Optional high Z line interface available.

1450
14.4K bps Max. Baud Rate • Dial-up Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
CCITT V.29 and V.33 compatible 14.4Kbps modem that operates over dial-up or leased lines. Includes auto dial and auto answer as well as Trellis coding.

202S/T
1200 Max. Baud Rate • Long Haul Modem • Alternate Voice • A/S Transmission • 1 y Warranty
Features 1200 bps operation over four-wire leased lines or two-wire dial-up or leased lines.

2140
2400 Max. Baud Rate • Dial-up Modem • Auto Dial • Alternate Voice • Sync Transmission • 1 y Warranty
Includes a multiprotocol automatic dialer. Provides 2400 bps operation over two- wire dial-uplines. Supports V.25 bis, bi-synchronous, SDLC, and 801 protocols.

2440
2400 Max. Baud Rate • Long Haul Modem • Auto Dial • Alternate Voice • 1 y Warranty
CCITT V.22bis-compatible data modem with auto dial and answer. MNP Class 5 data compression and error control. Transmits data at 300, 1200, and 2400 bps.

2860
4800 Max. Baud Rate • Long Haul Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
Combination 201B/C and 208A/B with auto dial and answer capabilities. Asynchronous or synchronous transmission over dial-up or leased lines. LCD for simple user operation.

9648T
9600 Max. Baud Rate • Dial-up Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
Also features CCITT V.29 compliance and auto dial and answer capabilities. Transmits data at 4800, 7200, and 9600 bps over dial-up or leased lines.

V3225
9600 Max. Baud Rate • Long Haul Modem • Auto Dial • Alternate Voice • A/S Transmission • 1 y Warranty
Features V.22bis and V.32 compliance with MNP Class 5 data compression and error control. Includes an LCD and automatic back-up and loopback capabilities.

Versitron

T1
1.544M bps Max. Baud Rate • Fiber Optic Modem • Sync Transmission • 90 d Warranty
Versitron manufactures a complete line of fiber optic modems for over 30 interface protocols.

Multiplexers

AT&T Paradyne Corporation

2030
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Sync Transmission • 1 y Warranty
The 2030 features four or eight channels; independently configurable channels; optional internal 9600 bps modem and configuration via CRT or front control panels.

3211 TI
Control Signals • Modem Support • Sync Transmission • 1 y Warranty
The 3211 is a bit-or-byte interleaved, time

division multiplexing in point-to-point or networking environments over T-1 digital facilities. Capacity 96 circuits.

DCX 840
Control Signals • Modem Support • 72K bps Max. Baud Rate • Async Transmission • 1 y Warranty
The DCX 840 networking concentrator is a high-performance statistical multiplexer and data exchange. Features central-site configuration, control and diagnostics, two configurations per node.

DCX 850
Control Signals • Modem Support • 72K bps Max. Baud Rate • Sync Transmission • 1 y Warranty
The DCX 850 network concentrating exchange is an advanced statistical multiplexer with intelligent processor capabilities. Synchronous DDCMP, SDLC, and Bisync transport is provided.

Black Box Corporation

Communication Box II
Control Signals • Modem Support • Local/Remote Loopback • Async Transmission • 1 y Warranty
This unit allows planning for change. Plug in cartridges and boards allow for growth and changing of network environments.

Digital Multiplexer
Control Signals • Modem Support • Local/Remote Loopback • Sync Transmission • 1 y Warranty
Lets up to eight devices share one Digital Data service line. Designed for use with 56K bps high-speed data links.

LD 470
Control Signals • Modem Support • Local/Remote Loopback • Async Transmission • 1 y Warranty
Designed for the in-house, multiuser system. Built-in line-drivers make them ideal for applications where clusters of terminals are located at nearby sites.

Mini Stat-4
Control Signals • Local/Remote Loopback • Async Transmission • 1 y Warranty
Allows connecting up to eight local devices to host system over RJ-11 lines. Transmission up to 5000 feet, independent channel data rates up to 9600 bps.

RS232 Fiber Optic
Control Signals • Modem Support • A/S Transmission • 1 y Warranty
Device multiplexes up to 48 RS232 channels over one full-duplex, fiber optic line. Features include operation with synchronous or asynchronous equipment.

Bo-Sherrel Company, Inc.

MX-2
19.2K bps Max. Baud Rate • Async Transmission • 2 y Warranty
Equipped with loopback test and DCE/DTE selectable switch for each channel. No modem is needed because the MX-2 provides communication up to 3000 feet between multiplexers.

MX-3
19.2K bps Max. Baud Rate • Async Transmission • 2 y Warranty
Equipped with loopback test and DTE/DCE selectable switch for each channel. No modem is needed because the MX-3 provides communication up to 5,000 feet between multiplexers.

Camintonn Corporation

CM-DHV11/C
Modem Support • 38.4K bps Max. Baud Rate • Q-bus Supported • Async Transmission
This module utilizes microprocessor-based architecture for high-speed DMA transmission.

Canoga-Perkins

CMX-320
19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
Features full code transparency and channel interfaces with 25 pin D type connectors.

CMX-3240
Control Signals • 76.8K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
Enables users to multiplex a variety of channel types and signal formats over single or multimode fiber optic cable. Also features the ability to remove or insert I/O cards under power.

CMX-808
19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty

CMX-816
Control Signals • 100K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
Features three controls per channel and internal/external clocking.

Case/Datatel

DCP5016
1200 Max. Baud Rate • Async Transmission

DCP5032
64K bps Max. Baud Rate • Async Transmission

DCP9050
Control Signals • 64K bps Max. Baud Rate • Local/Remote Loopback • Sync Transmission
The DCP9050 supports up to 21 input channels when cascading.

DCP9100
1.544M bps Max. Baud Rate

Coastcom

D/I MUX III
Control Signals • Modem Support • 1.536M bps Max. Baud Rate • A/S Transmission • 24 mo Warranty
D/I MUX III intelligent channel bank acts as a "fast lane" for fractional T1. Will accommodate one or two full T1s with no additional equipment required.

T1M III
Control Signals • Modem Support • 1.536M bps Max. Baud Rate • A/S Transmission • 24 mo Warranty
T1M III intelligent T1 DSU/CSU offers eight ports allowing add-on data cards or voice circuits if necessary. Ideal for high-speed computer/telco interfacing.

Codex Corporation

6003 INP
Control Signals • 19.2 Max. Baud Rate • Async Transmission • 1 y Warranty
Combines the technology, performance and reliability of larger Codex systems with the easy-to-use features of the smaller systems in a cost-effective product.

6015 INP
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
A statistical time division multiplexer designed to provide cost-effective data concentration for up to 16 terminals over a single, high-speed composite link.

6216
Control Signals • 256K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
Operating over medium-speed digital transmission facilities, the 6216 offers users a high degree of flexibility in terms of network control, configuration management, and diagnostics.

Computer Products, Inc.

GT304
Control Signals • 38.4K bps Max. Baud Rate • 1 y Warranty
Supports the LSI 11/23 four-level interrupt structure which is ideal for multiuser environments.

GT309A
Control Signals • 38.4K bps Max. Baud Rate • Q-bus Supported • Async Transmission • 1 y Warranty
Equipped with DMA and is compatible with DEC DH11 software. Connects multiple local and remote terminals and peripherals.

GT312
Control Signals • Modem Support • 38.4K bps Max. Baud Rate • Q-bus Supported • Async Transmission • 1 y Warranty
Compatible with DEC DH11 software. Connects multiple local and remote terminals and peripherals.

DCB, Inc.

Hub 2
Modem Support • 19.2K bps Max. Baud Rate • External Supported • A/S Transmission • 1 y Warranty

Hub 4
Modem Support • 1902K bps Max. Baud Rate • External Supported • A/S Transmission • 1 y Warranty

Hub 6
Modem Support • 19.2K bps Max. Baud Rate • External Supported • A/S Transmission • 1 y Warranty
Allow multiple SPL multiplexers to share one communication channel directly attached or one asynchronous or synchronous tail circuit (leased lines or dial-up linetypes).

SPL 10
Control Signals • Modem Support • 56K bps Max. Baud Rate • External Supported • A/S Transmission • 1 y Warranty

SPL 12
Control Signals • Modem Support • 56K bps Max. Baud Rate • External Supported • A/S Transmission • 1 y Warranty

SPL 14
Control Signals • Modem Support • 56K bps Max. Baud Rate • External Supported • A/S Transmission • 1 y Warranty

SPL 2
Control Signals • Modem Support • 56K bps Max. Baud Rate • External Supported • A/S Transmission • 1 y Warranty

SPL 4
Control Signals • Modem Support • 56K bps Max. Baud Rate • External Supported • A/S Transmission • 1 y Warranty

SPL 6
Control Signals • Modem Support • 56K bps Max. Baud Rate • External Supported • A/S Transmission • 1 y Warranty

SPL 8
Control Signals • Modem Support • 56K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
SPL products feature executive port configuration for local or remote units, front panel configuration for local unit. Used with leased lines or dial-up FDX modems.

Emulex Corporation

CS08
Control Signals • Modem Support • 57.6K bps Max. Baud Rate • Q-bus Supported • Async Transmission • 1 y Warranty
The CS08 is an eight-line dual wide asynchronous communications multiplexer with DHV11 emulation.

CS09
Control Signals • Modem Support • 57.6K bps Max. Baud Rate • Q-bus Supported • Async Transmission • 1 y Warranty
The CS09 is a 16-line dual wide asynchronous communications multiplexer with DEC DHV11 emulation.

CS21/F
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • UNIBUS Supported • Async Transmission • 1 y Warranty
The CS21/F emulates the DEC DMF32.

CS21/Z
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • UNIBUS Supported • Async Transmission • 1 y Warranty
The CS21/Z emulates the DEC DZ11.

CS23
Control Signals • Modem Support • 38.4K bps Max. Baud Rate • UNIBUS Supported • Async Transmission • 1 y Warranty

CS21/H
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • UNIBUS Supported • Async Transmission • 1 y Warranty
Emulate the DEC DH11.

CS32
Control Signals • Modem Support • 38.4K bps Max. Baud Rate • UNIBUS Supported • Async Transmission • 1 y Warranty
The CS32 emulates the DEC DMF32 and is available with an isochronous option.

QS09
Control Signals • Modem Support • 57.6K bps Max. Baud Rate • Q-bus Supported • Async Transmission • 1 y Warranty
Designed for MicroVAX 3500/3600. Replaces two DEC CXY08 multiplexers, emulating two DHV11s. No software modifications are needed to use QS09 with MicroVMS or ULTRIX.

Equinox Systems

LM-48

Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Local/Remote Loopback • Async Transmission • 3 y Warranty

Local multiplexer connects up to 48 devices to 48 ports of remote CPU. Reduces number of cables necessary for distances up to one mile without line drivers.

LM-8

Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Local/Remote Loopback • Async Transmission • 3 y Warranty

Local multiplexer connects up to eight devices to eight ports of remote CPU. Reduces number of cables necessary for distances up to one mile without line drivers.

Fibermux Corporation

FX1601

76.8K bps Max. Baud Rate • RS232 Supported • A/S Transmission

RS232 multiplexer that allows users to link remote clusters of RS232 terminals to hosts, host to host or terminals to printers using single fiber pair.

FX3201

38.4K bps Max. Baud Rate • RS232 Supported • Async Transmission

Supports mix of 32 async channels allowing users to link remote clusters of RS232 terminals to hosts, host to host or terminals to printers.

FX4400

Control Signals • 1 y Warranty

High capacity fiber-optic backbone that provides fast flexible pathway for moving voice and data traffic. Features high bandwidth and broad range of interface signaling support.

FX616

4.2M bps Max. Baud Rate • BNC Supported • Wang Transmission

The FX616 Wang Multiplexer connects 16 Wang terminals to Wang controller over optical fiber or coax up to distances as far away as one kilometer.

FX7480

2.035M bps Max. Baud Rate • RJ45 Supported • IBM Twinax Transmission

The FX7480 fiber-optic multiplexer connects up to 40 terminals to AS/400 or System 3/X hosts, using single cable (fiber, coax, twinax or twisted pair).

FX7499

2.035M bps Max. Baud Rate • IBM 3270 Supported • IBM 3270 coax Transmission

The FX7499 provides IBM 3299 functionality by demultiplexing a single terminal adapter port from an IBM 3174 controller into eight user ports.

FX812

1.544M bps Max. Baud Rate • RS449/422 Supported • Sync Transmission

The FX812 provides the ability to extend up to eight T1, V.35 or RS449/422 channels or any combination over single fiber-optic or RS449/422 link.

FX9601

19.2K bps Max. Baud Rate • RS232 Supported • A/S Transmission

A flexible 96-channel asynchronous and synchronous RS232 fiber-optic multiplexer. Incorporates high-density 50-pin connectors and specialized cables to support RS232 connectivity.

Magnum100

78M bps Max. Baud Rate • A/S Transmission

Magnum100 is a high-capacity, 100M bps fiber-optic networking system that supports the widest range of interface types in the industry.

Gandalf Data, Inc.

GLM 518

Control Signals • Modem Support • 64K bps Max. Baud Rate • A/S Transmission

Extends up to eight ISDN-B channels at least 7500 feet on 24 AWG twisted pair cable or 11,000 feet on 22 AWG.

GLM 528E

Control Signals • Modem Support • 1.544M bps Max. Baud Rate • A/S Transmission

T1 compatible for interpremise multiplexing and digital multidrop via token ring capability on premise at D4/D5 transport standards. Integrates with MUX 2000 to support voice.

KMUX

Control Signals • Modem Support • 38.4K bps Max. Baud Rate • Sync Transmission

Supports any protocol and features dynamic bandwidth allocation. Available with voice, X.25, and Stat mux options.

mMUX 2000

Modem Support • 64K bps Max. Baud Rate • A/S Transmission

Features optional integral 9600 bps modem and support for both stat muxing and X.25 on same linkage with voice traffic. Please review MUX 2000 network management.

MUX 2000

Control Signals • Modem Support • 128K bps Max. Baud Rate • A/S Transmission

Integral SNA, X.25 PAD and voice multiplexer support with networking, routing and multidrop insert options. Integrated via outboard network management system.

RM 3640

Control Signals • Modem Support • 64K bps Max. Baud Rate • A/S Transmission

Extends single ISDN-B channel over single twisted pair to a variety of Gandalf and non-Gandalf PADs, multiplexers. Used to multiplex voice channel on same pair wires.

SMUX

Control Signals • Modem Support • 64K bps Max. Baud Rate • A/S Transmission

Features five-node ring network, star, or bus network; provides contention and user switching, starmaster gateway, and SNA support. Available with voice channel, X.25 PAD, TDM.

Lan Systems, Inc.

LAN-MUX16A

Control Signals • 19.2K bps Max. Baud Rate • Async Transmission • 2 y Warranty

Features built-in lightning protection, optical isolation on composite links, and LED indicators for each port. No modem is needed between multiplexers.

LAN-MUX8A

Control Signals • 19.2K bps Max. Baud Rate • Async Transmission • 2 y Warranty

Features built-in lightning protection, optical isolation on composite links, an LED indicator for each port, and self, line, and loopback tests.

LAN-MUX8A PLUS

Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Async Transmission • 2 y Warranty

Features optical isolation, built-in tail circuit modem support, any combination of RS232 and tail circuit modem support, LED indicators for each port, and self, line, and loopback tests.

MCS Computer Products, Inc.

CM-DHV11

Control Signals • Modem Support • 38.4K bps Max. Baud Rate • Local/Remote Loopback • U/Q Supported • Async Transmission

Method Systems, Inc.

Mini-Mux

Control Signals • 9600 Max. Baud Rate • Async Transmission • 5 y Warranty

The Mini-Mux may be used transparently with all asynchronous machines at 9600 bps or less rates. Features transmission distance flexibility via internal jumpering.

Micom Communications Corporation

Micom Box Type 2

Control Signals • Modem Support • 19.2K bps Max. Baud Rate • A/S Transmission • 3 y Warranty

The Micom Box Type 2 is a modular statistical multiplexer offering both point-to-point and multipoint configurations in a single box solution.

Micom Box Type 3

Control Signals • Modem Support • 19.2K bps Max. Baud Rate • A/S Transmission • 3 y Warranty

The Micom Box Type 3 is a modular multiplxer that also supports voice data for transmission at speeds from 1.2 to 72K bps.

Motorola Information Systems

6003 INP

Async Transmission

The 6740 DCP is a modular single nested device with redundant architecture that easily may be expanded in size; it supports up to 64 terminals.

6015

Control Signals • Modem Support • 19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty

6015 concentrates up to 16 terminals over high-speed link. Advanced error detection architecture ensures integrity of data. Features low delays, ideal for echoplex applications.

6015 INP

Async Transmission

The 6015 also features asynchronous port switching with contention and queuing hunt groups.

6500 X.25

Control Signals • Modem Support • 80K bps Max. Baud Rate • A/S Transmission • 1 y Warranty

6500 Series is ideal for private packet switching applications, includes multiprotocol support simultaneously. 6500 series has low delays, is ideal for echoplex applications.

6740 DCP

The 6740 DCP is a modular single nested device with redundant architecture that easily may be expanded in size; supports up to 64 terminals.

674X

Control Signals • Modem Support • 64K bps Max. Baud Rate • Local/Remote Loopback • A/S Transmission • 1 y Warranty

The 674X uses data concentration, switching architecture, combining multiplexing, X.25 processing. The 674X features extremely low delays, is ideal for echoplex applications (all in one).

Multi-Tech Systems, Inc.

MultiMux32

Modem Support • 14.4K bps Max. Baud Rate • Async Transmission

N.E.T. Access Products Division

LS2000

Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Async Transmission • 1 y Warranty

LS2000 terminal server supports up to 32 channels and provides 802.3 link. Resides on Ethernet with SPX/50 or Series 2000 products and runs concurrently with DECnet.

RS2000

Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Async Transmission • 1 y Warranty

N.E.T.'s RS2000 is a high-performance networking multiplexer that supports up to 32 channels in mid-sized asynchronous remote sites.

SPX/30

Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Async Transmission • 1 y Warranty

SPX/30 is designed for larger capacity requirements at non-LAN sites. It supports up to 80 channels and eight composite links. Priced from $3750 to $24,500.

SPX/5

Control Signals • Modem Support • 9600 Max. Baud Rate • Async Transmission • 1 y Warranty

SPX/5 four-or eight-channel multiplexer offers cost savings in entry-level point-to-point applications, or in larger SPX networks. Priced from $1295 to $1695.

SPX/50

Control Signals • Modem Support • 9600 Max. Baud Rate • Async Transmission • 1 y Warranty

SPX/50 is designed for data center capacity and LAN interface requirements. SPX products feature switching, contention, dynamic routing and network management price from $4450 to $6400.

SPX/SI
Modem Support • 10M bps Max. Baud Rate • U/Q/B Supported • Async Transmission • 1 y Warranty
SPX/SI host interface software installs on a VAX/VMS and shares its standard Ethernet controller to pass terminal traffic to local or remote SPX terminal servers.

TS1000
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Async Transmission • 1 y Warranty
TS1000 multiplexer supports up to 32 channels and is designed for asynchronous end-nodes or point-to-point networks with growth potential.

Patton Electronics Company

354
9600 Max. Baud Rate • Async Transmission • 1 y Warranty
Built-in high-speed short-range modem; RS232 or RS422 compatible; no straps required.

358
9600 Max. Baud Rate • Async Transmission • 1 y Warranty
Built-in short range modem; RS232- or RS422-compatible; no straps required.

Racal-Milgo

110
Control Signals • Modem Support • 9.6K bps Max. Baud Rate • Async Transmission • 90 d Warranty
System 110 is a point-to-point or multipoint that supports up to eight users.

120
Control Signals • Modem Support • 9.6K bps Max. Baud Rate • Async Transmission • 90 d Warranty
System 120 is a point-to-point or multipoint mux that supports up to 32 users.

125
Control Signals • Modem Support • 9.6K bps Max. Baud Rate • Async Transmission • 90 d Warranty
System 125 is a multipoint or point-to-point master mux that can fully manage and control a Racal-Milgo senes 100 multiplexer network.

207
Control Signals • 128M bps Max. Baud Rate • UNIBUS Supported • Async Transmission • 90 d Warranty
System 207 is a DEC UNIBUS-based stat mux that supports up to 128 users from a single UNIBUS slot.

Netlink
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Sync Transmission • 90 d Warranty
Netlink is a point-to-point T1/E1 mux. Supports redundant logic and power as well as voice, data, video applications.

OMNIMUX 7000
Control Signals • Modem Support • 1.536M bps Max. Baud Rate • Local/Remote Loopback • S/A Transmission • 1 y Warranty
Family of intelligent, network manageable channel banks and feeder multiplexers. Supports voice, data, video; DDS switched 56, SRDM, fractional T-1, megacom services, etc.

Omnimux 9000-1
Control Signals • Modem Support • 1.53M bps Max. Baud Rate • Proprietary Supported • A/S Transmission
The Omnimux 9000-1 is an intelligent, high-end mesh networking T7 multiplexer supporting 16 users slots (expandable to 36) for voice, data and video integration.

Omnimux 9000-2
Control Signals • Modem Support • 1.536M bps Max. Baud Rate • Proprietary Supported • A/S Transmission
The Omnimux 9000-2 is an intelligent high-end networking T7 multiplexer supporting 36 user slots for voice, data and video integration.

Omnimux 9000-S
Control Signals • Modem Support • 1.536M bps Max. Baud Rate • Proprietary Supported • A/S Transmission
The Omnimux 9000-S is an intelligent mesh networking T1 multiplexer that supports eight user slots and provides data, video and voice integration.

Rad Data Communications

DVI
1 y Warranty

KiloMux
A/S Transmission

MAM-A
Modem Support • 19.2 Max. Baud Rate • Async Transmission • 1 y Warranty

MAM-S
Modem Support • 19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
Async ports to sync main channel.

MMM
19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
Integral modem and multiplexor.

MSM
Modem Support • 19.2K bps Max. Baud Rate • Sync Transmission • 1 y Warranty
Can operate as high as 72K bps on main channel, if no tail circuit.

RCMCoax
2.358M bps Max. Baud Rate • Async Transmission • 1 y Warranty

STM 4
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty
Statistical Mux.

STM-24
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty

STM-8
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • A/S Transmission • 1 y Warranty

TRIMLINK 400
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Sync Transmission • 1 y Warranty
Features an integral data compressor. Uses the Ziv-Lempel compression algorithm, and compresses each channel individually prior to multiplexing into a single aggregate.

Raycom Systems, Inc.

5100/5110
Control Signals • Modem Support • A/S Transmission • 1 y Warranty
Supports T1, RS232, V.35, RS422, Current Loop, IBM 3270, 5088 graphics control, Token-Ring and ARCNET IBM Twinax, Ethernet interfaces.

SI Tech

1000
Control Signals • Modem Support • 10M bps Max. Baud Rate • RS232 Supported • A/S Transmission • 1 y Warranty

2006
Modem Support • 19.2K bps Max. Baud Rate • RS232 Supported • A/S Transmission • 1 y Warranty

2016
Modem Support • 19.2K bps Max. Baud Rate • RS232 Supported • Async Transmission • 1 y Warranty
All feature fiber optic cables for distances up to 2Km and are ideal for in-house data transmission within clustered terminal environments.

Sigma Information Systems

SCD-DHV11/16
Control Signals • 38.4K bps Max. Baud Rate • Local/Remote Loopback • Q-bus Supported • Async Transmission • 1 y Warranty

SCD-DHV11/8
Control Signals • Modem Support • 38.4K bps Max. Baud Rate • Local/Remote Loopback • Q-bus Supported • Async Transmission • 1 y Warranty
Designed for the LSI-11, these boards are each addressed as two separate eight-line devices that emulate two of DEC's DHV11 devices.

SCD-DZV11
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Q-bus Supported • Async Transmission • 1 y Warranty
Designed for the LSI-11, two separate eight-line devices that emulate two of DEC's DHV11 devices, software compatible with operating systems and diagnostics designed for the DEC module.

Summus Computer Systems

SUM-COM
Modem Support • 19.2K bps Max. Baud Rate • UNIBUS Supported • A/S Transmission • 1 y Warranty

SUM-DHV16
Modem Support • 38.4K bps Max. Baud Rate • Q-bus Supported • 1 y Warranty
The maximum asynchronous baud rate is 9600 bps per line for both the SUM-COM and SUM-DHV16.

Telebyte Technology, Inc.

570
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Async Transmission • 1 y Warranty
The 570 model features TD, RD indicators per channel, data and synchronous loss indicators, a remote test and indicator, built-in surge protection, and eight 25' cables.

Telenetics Corporation

IT64
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Local/Remote Loopback • A/S Transmission • 2 y Warranty
Statistical Multiplexer—up to 64 channels multiple composite links up to 64K bps each with load balancing/auto rerouting. Full terminal addressed switching/contention.

IT8
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Local/Remote Loopback • Async Transmission • 2 y Warranty
Statistical Multiplexer—eight channels, dual composite links up to 19.2K bps with load balancing/auto rerouting. Full terminal addressed switching/contention.

UDS

1406T
Control Signals • Modem Support • 14.4K bps Max. Baud Rate • Local/Remote Loopback • Sync/Async Transmission • 1 y Warranty
Six-channel CCITT V.33-compatible time division multiplexer combined with an integral 14.4K bps CCITT V.33-compatible data modem.

1408S
Control Signals • Modem Support • 14.4K bps Max. Baud Rate • Local/Remote Loopback • Sync Transmission • 1 y Warranty
Full-featured eight-port statistical multiplexer combined with an integral 14.4K bps CCITT V.33 modem, designed for point-to-point applications. Includes ARQ error control.

9604T
Control Signals • Modem Support • 9600 Max. Baud Rate • Local/Remote Loopback • A/S Transmission • 1 y Warranty
Four-channel CCITT V.29-compatible time division multiplexer combined with an integral 9600 bps CCITT V.29-compatible modem.

9608S
Control Signals • Modem Support • 9600 Max. Baud Rate • Local/Remote Loopback • Sync Transmission • 1 y Warranty
Full-featured eight port statistical multiplexer with an integral 9600 bps V.29 modem. Includes ARQ error control.

SM-4A
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Local/Remote Loopback • Sync Transmission • 1 y Warranty
Four-port statistical multiplexer designed for use with a standard, full duplex synchronous modem at rates up to 19.2K bps. Includes ARQ error control.

SM-8A
Control Signals • Modem Support • 19.2K bps Max. Baud Rate • Local/Remote Loopback • Sync Transmission • 1 y Warranty
Eight-port statistical multiplexer designed for use with a standard full-duplex, synchronous modem at data rates up to 19.2K bps. Includes ARQ error control.

TDM/MR

Control Signals • Modem Support • 38.4K bps Max. Baud Rate • Local/Remote Loopback • A/S Transmission • 1 y Warranty

The TDM/MR multiplexes data terminal equipment over a variety of transmission devices such as low-speed analog modems, leased line modems, subrate and 56K bps DSUs, etc.

Webster Computer Corporation

WQDHV

Control Signals • Modem Support • 38.4K bps Max. Baud Rate • Q-bus Supported • Async Transmission • 1 y Warranty

RS232 asynchronous 16-line (2xDHV11) multiplexer features programmable split speed baud rates, character length, parity, stop bits, XON/XOFF. Four-character/line FIFO silo, 256-character common silo.

WQDZV

Control Signals • Modem Support • 38.4K bps Max. Baud Rate • Q-bus Supported • Async Transmission • 1 y Warranty

RS232 asynchronous eight-line DZ11/DZV11 multiplexer features programmable baud rates, character length, parity, stop bits, transmitter enable; four-character/line FIFO silo, 64-character common silo.

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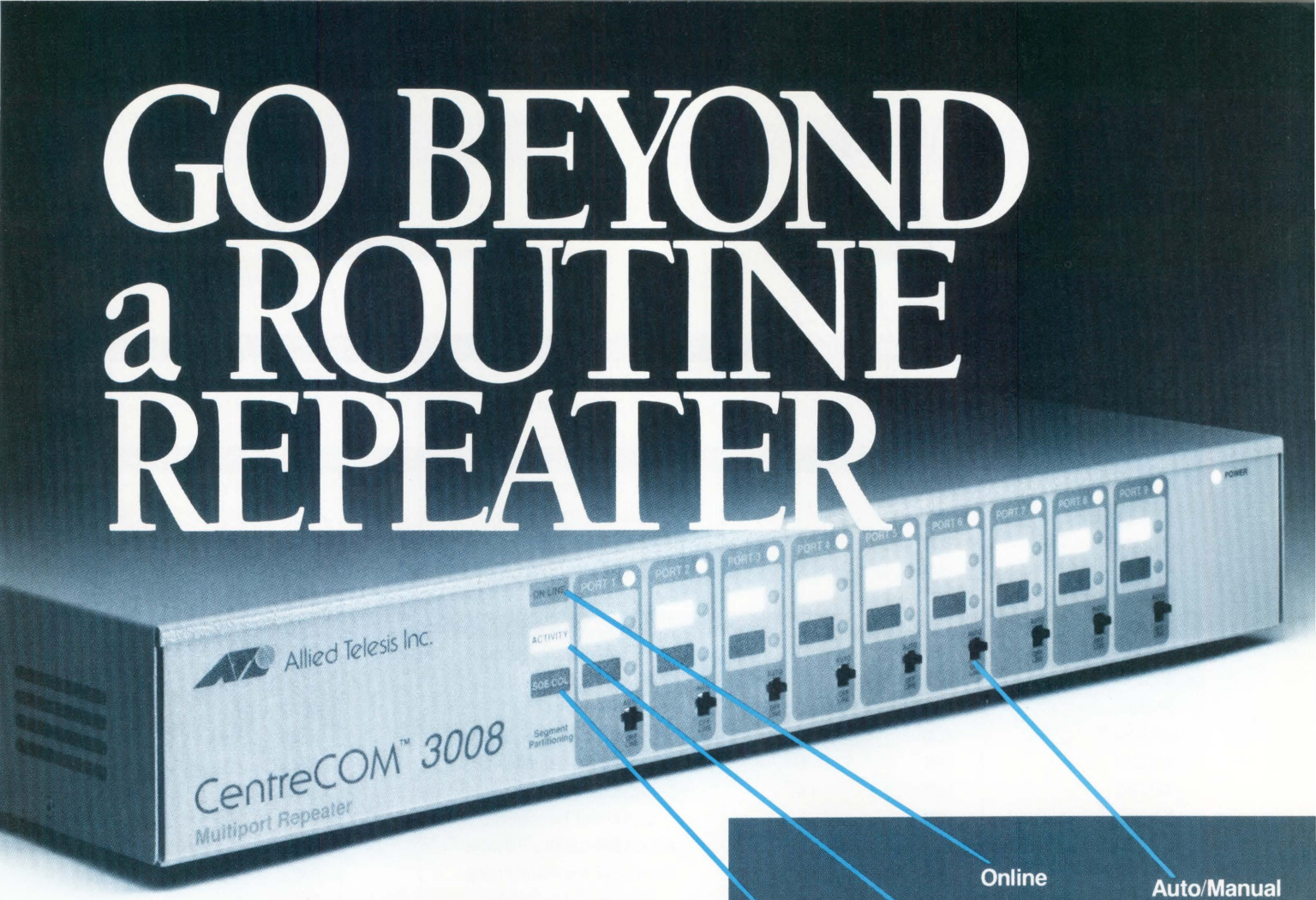
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ETHERNET DEVICES

Model	Transmission Rate (bps)	Local/Remote	Type of Device	SQE (Heartbeat)	IEEE Standards	Warranty	Price
Advanced Computer Communications (ACC) 805 963-9431							
ACS Series 4000	1.544M	R	Remote Bridge/Router		802.1	90 d	$7,500
Alantec 415 770-1050							
Multi LAN Switch	160M	L/R	Fiber Optic Bridge	Y	802.3		$9,800
SMARTLan Manager	10M	L/R	Network Management	Y	802.3	90 d	$2,080
Allied Telesis Inc. 415 964-2771							
CentreCOM 150/250	10M		Dual Port Transceivers	Y	802.3	2 y	$345+
CentreCOM 100/200	10M		Single Port Transceiver	Y	802.3	2 y	$169+
CentreCOM 120	10M		Fiber Optic Transceivers	Y	802.3	2 y	$495
CentreCOM 1600	10M	L/R	Multiport Transceiver		802.3	1 y	$1,145+
CentreCOM 2000	10M	L	MAC Level Bridge	Y	802.3	1 y	$1,950+
CentreCOM 270	10M		Dual Port Transceivers	Y	802.3	2 y	$275
CentreCOM 3000	10M		Multiport Repeaters	Y	802.3	1 y	$845
CentreCOM 470	10M		Four Port Transceivers	Y	802.3	2 y	$375+
CentreCOM 5000	10M	L	Multimedia Concentrator	Y	802.3	1y	$1,295+
CentreCOM 7000	10M	R	MAC Level Bridge	Y	802.3	2 y	$4,950+
CentreCOM 800 Series	10M	L/R	Multiport Transceiver	Y	802.3	1 y	$945+
Black Box Corporation 412 746-5500							
Ethernet Bridge	10M	L	Ethernet Bridge		802.3		$2,795
Ethernet Transceiver	10M		Transceiver	Y	802.3		$260
Fan Out Unit	10M	L	Fan Out Unit		802.3		$1,250
Fiber Optic Repeater	10M	L	Fiber Optic Repeater		802.3		$2,180
Local Repeater	10M		Repeater		802.3		$1,460
Multiport Repeater	10M	L	Multiport Repeater		802.3		$2,900
Cabletron Systems Inc. 603 332-4616							
CPT-100-T	15M	L	10 Base-T-compatible		802.3		$550
FOT-1	10M	L	Fiber Optic Transceiver	Y	802.3		$500
FR3000	10M	R	Fiber Optic Repeater		802.3	1 y	$2,650
IRM	10M	L	Intelligent Repeater Module		802.3		$2,275
LR2000	10M	L	Repeater		802.3	1 y	$1,365
MR9000 C	10M	L	Thin Mulitport Repeater		802.3	1 y	$2,795
MR9000TPT	10M	L	Multiport Repeater		802.3	1 y	$1,995
MT800	10M	L	Multiport Transceiver		802.3	1 y	$975
NB20E		L	MAC-level Bridge		802.3	1 y	$2,995
NB25E		L	MAC-level Bridge		802.3	1 y	$5,795
ST500	10M	L	Transceiver	Y	802.3	1 y	$275
THN-MIM	10M	L	Coaxial Media Module		802.3		$1,875
TMS-3	10M	L	Thin Ethernet Transceiver	Y	802.3	1 y	$185
TPT-2	10M	L	Twisted Pair Transceiver	Y	802.3		$275
Canoga-Perkins 818 718-6300							
4020	10M		Fiber Optic Extender		802.3	1 y	$3,095
8801			Line Monitor		802.3	1 y	$155
8802	10M	R	Fiber Optic Repeater		802.3	1 y	$1,295

GO BEYOND a ROUTINE REPEATER



If you haven't considered the AT-3008 8-port repeater then you're limiting the flexibility and use of your network repeater, and you may be spending more than you need to.

NEW FIBER OPTIC VERSIONS

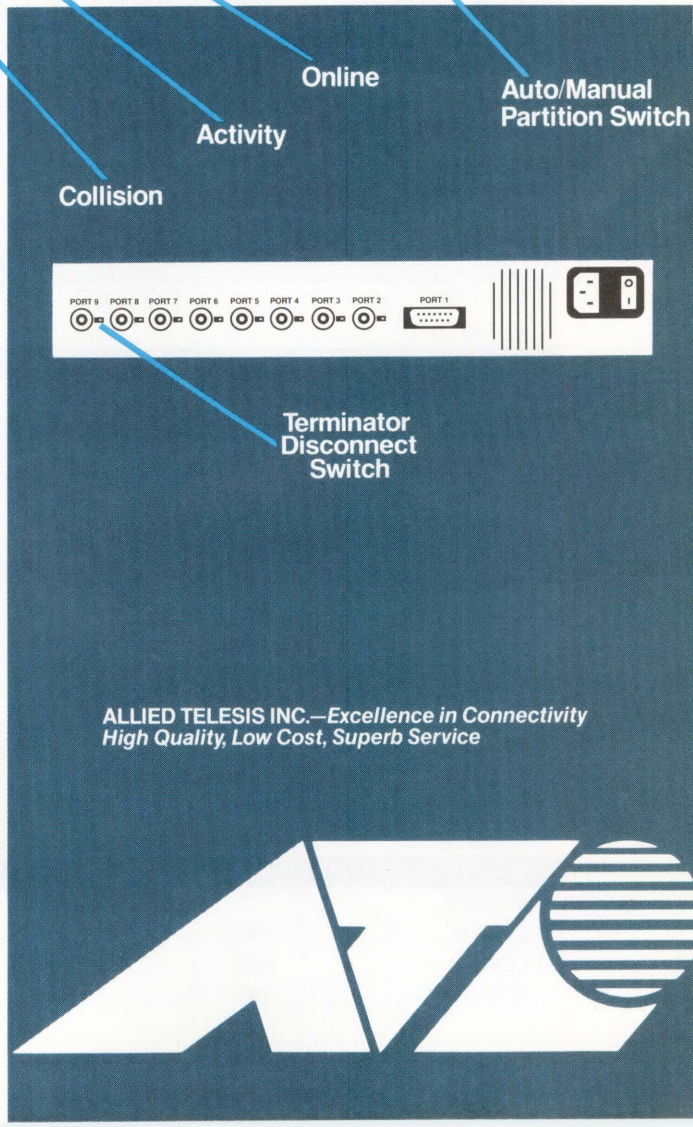
FOIRL capabilities and six additional models of the CentreCOM 3000 SERIES allow you to mix and match Fiber Optics, Thin and Thick Ethernet. Nine models to choose from, starting as low as $845* for a two-port repeater.

Of course the AT-3008 has all the *routine* features of the DEC DEMPR™—it complies with IEEE 802.3, offers a one year warranty, provides eight BNC repeater ports, connects via an AUI repeater port to the coax or fiber optic backbone, automatically partitions data, regenerates preamble, re-times data packets, and extends collision fragments.

The AT-3008 is but one of the many products available from Allied Telesis. See us for all your Ethernet Building Block needs —transceivers (single and multi-port), bridges, multi-media concentrators, and adaptor cards.

8-port — $2495* 4-port — $2195*/2-port — $1195*

*List price shown. Contact ATI for information on a local distributor who offers volume pricing.



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Phone 415/964-2771 FAX 415/964-0944

ETHERNET DEVICES

Model	Transmission Rate (bps)	Local/Remote	Type of Device	SQE (Heartbeat)	IEEE Standards	Warranty	Price
Canoga-Perkins 818 718-6300 (continued)							
8803			Transceiver		802.3	1 y	$265
8806	10M		Expander	Y	802.3	1 y	$245
8820	10M		LAN Hub		802.3	1 y	$1,300
Casat Technology, Inc. 603 880-1833							
4306	10M		Transceiver	Y	802.3	1 y	$189
4360 Series	10M		Multiport-Transceiver	Y	802.3	1 y	$1,495
ENT 4320	10M		LAN Hub	Y	802.3	1 y	$1,295
ENT-4304	10M		Transceiver/Remote Diagnostic Monitor	Y	802.3	1 y	$250
ETP 4380	10M		LAN Hub	Y	802.3	1 y	$2,495
Chipcom Corporation 508 460-8900							
7000H	10M	L/R	LAN-LAN MultiMedia Hub		802.3	1 y	$1,495
8023FT	10M	L	Frequency Translator		802.3	1 y	$4,400
8083B	10		Bridge		802.3	1 y	$2,950
8312BS	10M	L	Broadband-baseband Bridge		802.3	1 y	$8,950
8312HE	10K	L	Ethermodem Remodulator		802.3	1 y	$7,900
8312MS	10M	L/R	Broadband Transceiver		802.3	1 y	$5,150
8312S	10M	L	Broadband Transceiver		802.3	1 y	$3,950
8318BD	10M	L	Broadband-baseband Bridge		802.3	1 y	$8,950
8318BS	10M	L	Broadband-baseband Bridge		802.3	1 y	$8,950
8318MS	10M	L	Broadband Transceiver		802.3	1 y	$5,150
8318S	10M	L	Broadband Transceiver		802.3	1 y	$3,950
8412BS	10M	L	Broadband-baseband Bridge		802.4	1 y	$9,950
9308S	10M	L/R	Fiber Optic Star Coupler		802.3	1 y	$4,150
9314S	10M	L/R	Fiber Optic Star Coupler	Y	802.3	1 y	$5,950
CMC 805 968-4262							
DRN-3200		L/R	DDN Ethernet Router		802.3	1 y	
ENO-50					802.3	1 y	
David Systems, Inc. 408 720-8000							
David ExpressNet	10M	L	Star with central Hub	Y	802.3	2 y	$2,495
DuPont Electronics 919 481-5100							
10Baset Networking	10M	L	Multiport Repeater/Hub	Y	802.3	1 y	$188+
EOT-322	10M	R	Optical Transceiver		802.3	1 y	$660
IRL-222H	10M	R	Fiber Optic Transceiver		802.3	1 y	$860
LAN 1/EOT-322	10M	R	Optical Transceiver	Y	802.3	1 y	$550
LAN 1/IRL-222H	10M	R	Fiber Optic Transceiver		802.3	1 y	$860
LAN 1/RL3000	10M	L	Coax Transceiver	Y	802.3	1 y	$199
LAN 1/RL6000Fi	10M	R	Fiber Optic Repeater	Y	802.3	1 y	$1,495
LAN 1/RL6000Li	10M	L	Local Repeater	Y	802.3	1 y	$795
Multimedia Ethernet	10M	L/R	Multiport Repeater	Y	802.3	1 y	$188+
Passive Star System	10M		Passive Star Coupler		802.3	1 y	$1,000
RL3000	10M	L	Coax Transceiver	Y	802.3	1 y	$249
RL6000L	10M	L	Repeater		802.3	1 y	$895
RL6000Li	10M	L	Repeater		802.3	1 y	$1,295
Fibermux Corporation 818 709-6000							
CC 44652		L	LAN Bridge		802.3		
CC6611Z	10M		Multiport		802.3	1 y	
CC6612Z	10M	L	Multiport		802.3	1 y	
CC6613Z	10M		Multiport		802.3	1 y	

ETHERNET DEVICES

Model	Transmission Rate (bps)	Local/Remote	Type of Device	SQE (Heartbeat)	IEEE Standards	Warranty	Price
Fibermux Corporation 818 709-6000 (continued)							
CC6614Z	10M		Multiport		802.3	90 d	
CC6615Z	10M		Multiport		802.3	1 y	
FX701	10M	L/R	Repeater		802.3	1 y	
Lannet Data Communications Ltd. 201 587-8822							
LE-3 Modulae Enclosure	10M		3 card hub	Y	802.3	1 y	$900
Method Systems Inc. 800 533-6116							
FiberLink I	15M		Fiber Optic Transceiver			2 y	$395
Micro Technology Inc. 714 693-2345							
LANager			Network Analyzer		802.3		$20,500
MEQNA							
MESTA	10M	L	Thin Wire Transceiver	Y	802.3	1 y	$300
Microcom Inc. 617 551-1000							
MLB/5000	19.2K	R	Remote Bridge		802.5	90 d	$8,798
MLB/5500	64K	R	Remote Bridge		802.5	90 d	$9,198+
MLB/6000	2.048M	R	RB/M		802.5	90 d	$7,799+
MLB/6500	67K	R	Remote Bridge		802.5	90 d	$5,699+
Raycom Systems Inc. 303 530-1620							
Bridge + Fiber	10M	R	Fiber Optic Bridge	Y	802.3	1 y	$5,550
Bridge+ 1.5	1.544M	R	Remote Bridge	Y	802.3	1 y	$6,975+
Local Bridge+	10M	L	Local Bridge	Y	802.3	1 y	$3,995
Richard Hirschmann of America 201 836-5002							
Active Star	10M	L	Active Star Coupler	Y	802.3	1 y	
SynOptics Communications 800 PRO-8023							
1000 Series Concentrator	10M	L	Concentrators			1 y	$1,595+
1000 Series Modules	10M	L	Host Modules		802.3	1 y	$1,050+
2500	10M	L	Workgroup Concentrator			1 y	$1,295
2510	10M	L	Workgroup Concentrator			1 y	$1,495
2530	10M	L	Workgroup Concentrator			1 y	$1,495
2600	10M	L	Thin Net Adapter		802.3	1 y	$725
3308	10M	L	Host Module			1 y	$3,350
502A	10M	L	Shld Twisted Pair Transceiver		802.3	1 y	$155
504-ST	10M	R	Fiber Optic Transceiver		802.3	1 y	$565
505	10M	L	Unshld Twisted Pair Transceiver		802.3	1 y	$155
System 1000	10M	L	Concentrators			1 y	$300
System 3000	10M	L	Concentrators			1 y	$350
Talaris Systems Inc. 619 587-0787							
T-LAP-Ethernet		L	Controller		802.3	90 d	$1,650
TCL Inc. 415 657-3800							
2010K	10M	L	Transceiver	Y	802.3	1 y	$225
Versitron 800 537-2296							
Tempest	10M	L/R	Fiber Optic Ethernet	Y	802.3	90 d	
Xyplex Inc. 800 338-5316							
MX-6510	9.6	R	Bridge		802.1	3 y	$3,995
MX-REPTR-E1	10M	L	Ethernet Repeater	Y	802.3	3 y	$1,495

NETWORKING INTERFACES

Model	# of Lines	Port Contention	Supported Interfaces	LEDs	Board Size	Max Baud Rate (bps)	Transmission Type	Operating Modes	Supported CPUs	Warranty	Price
Able Computer 714 553-1188											
NC3600	3600	Y	Able IP	Y		1M	Sync			1 y	$14,000
NC480	480	Y	Able IP	Y		1M	Async			1 y	$5,750
RG300 RemoteGate	2	Y	X.21	Y		80K	Async				$5,500
Advanced Computer Communications (ACC) 805 963-9431											
ACP 6640	23			Y	Hex	19.2K	Async				
Andrew KMW Systems Inc. 512 338-3000											
8900A					Quad				U/Q		
8911A					Quad				U/Q		
C & C Technology Inc. 708 231-0015											
Q-ARC-01	1			Y		2.5M	Async		Q-bus	1 y	
U-ARC-01	1			Y		2.5M	Async		UNIBUS	1 y	
Digital Link Corporation 408 745-6200											
DL551V 11-MLS	16		RJ-48C	Y		1.544M		FDX		2 y	$40,865
DL551VX	2		RJ-48C	Y		1.544M		FDX		2 y	$2,995
DL551VX-FT	2		RJ-48C	Y		1.544M		FDX		2 y	$3,495
DL551VX-RD	2		RJ-48C	Y		1.544M		FDX		2 y	$3,495
DL551X-RD	1		RJ-48C	Y		1.544M		FDX		2 y	$2,795
T1-ISO DL551A	1		RJ48C	Y		1.544M				2 y	$1,295
T1-ISO DL551VII	1		RJ48C	Y		1.544M				2 y	$2,295
T1-ISO DL551X	1		RJ48C	Y		1.544M				2 y	$2,495
McComb Research 612 527-8082											
ShareNet-5100	256	Y	RS232	Y		115.2K	Async	FDX	U/Q	1 y	$199
ShareNet-5110	256	Y	Parallel	Y		115.2K			U/Q	1 y	$199
ShareNet-5120	256	Y	Parallel	Y		115.2K	Async	FDX	U/Q	1 y	$249
ShareNet-522D	256	Y	Parallel	Y		115.2K	Async	FDX	U/Q	1 y	$395
McData Corporation 303 460-4205											
6100E CETI Channel Gate		Y	Ethernet							13 mo	$26,250
6100E TCP/IP Channel		Y	Ethernet							13 mo	$5,000

SWITCHING DEVICES

Model	# of Ports	# of Lines	Type of Switch	Transmission Type	Rackmount/ Standalone	Max Baud Rate (bps)	Operating Modes	Queue	Supported Interfaces	Port Contention	Warranty	Price
Alantec 415 770-1050												
MLS	4-10		Multi-LAN									$9,800
Aviv Corporation 617 933-1165												
DPS 300	2				R				Pertec/STK		90 d	$2,100
MPS 300	6		Tape		R				Pertec/STK		90 d	$6,250
QPS 300	4		Tape		R				Pertec/STK		90 d	$3,900
TU81 Tape Share	2				R				LESI		90 d	$2,100
Datacom Technologies Inc. 206 355-0590												
MetroSwitch 412	4	16	Printer	Async	S	19.2K			S/P		1 y	$269
MetroSwitch 413	4	16	Printer	Async	S	19.2K			S/P		1 y	$324

SWITCHING DEVICES

Model	# of Ports	# of Lines	Type of Switch	Transmission Type	Rackmount/ Standalone	Max Baud Rate (bps)	Operating Modes	Queue	Supported Interfaces	Port Contention	Warranty	Price
Datacom Technologies Inc. 206 355-0590 (continued)												
MetroSwitch 430	4	20	Printer	Async	S	19.2K			RS232		1 y	$595
MetroSwitch 431	4	20	Printer	Async	S	19.2K			RS232		1 y	$745
MetroSwitch 433	4	20	Printer	Async	S	19.2K			RS232		1 y	$249
Digital Consultants 805 498-4577												
ITM	4	4	Tape		R/S				Pertec		1 y	$4,450
Gold Key Electronics, Inc. 603 625-8518												
LN2-HP1 Switching Dev.			Printer		S	19.2K		Y	RS232	Y	1 y	$549
LN3-HP1 Switching Dev.	4		Printer		S	19.2K		Y	RS232	Y	1 y	$749
SW2-2+2	4		Printer		S	19.2K		Y	RS232	Y	1 y	$749
SW2-ID1	3		Printer		S	19.2K		Y	RS232	Y	1 y	$549
SW3-ID1	4		Printer		S	19.2K		Y	RS232	Y	1 y	$749
SW6-ID2	8		Printer		S	19.2K		Y	RS232	Y	1 y	$1,295
Micom Communications Corporation 805 583-8600												
Instanet6000-20	250	250	TDM	A/S	R/S	72K		Y	S/V.35/T1	Y	3 y	$5,000+
Instanet6000-40	2036	2036	TDM	A/S	R/S	72K		Y	S/V.35/T1	Y	3 y	$9,000+
Omicron Telesystems, Inc. 514 694-3457												
PFS					R/S				RS232			$495+
Racal-Milgo 800 RACAL-55												
Omnimux 8000	768	8	T1 Multiplexer	A/S	R	64K	FDX/HDX		S/V.35	Y	1 y	$30,000
Omnimux 9000	1584	36	Network	S/A	R	1.536M			RS232	Y	1 y	$25,000+
Rose Electronics 713 933-7673												
CareTaker	4-8		Scanning		R/S			Y	S/P		1 y	$195+
CareTaker Plus	4-8		Buffered	Async	R/S	19.2K		Y	S/P	Y	1 y	$395+
MasterSwitch Family	2-16		Network	Async	R/S	115.2K		Y	S/P	Y	1 y	$295+
Porter	4-8		Code	Async	R/S	19.2K	FDX	Y	S/P		1 y	$395+

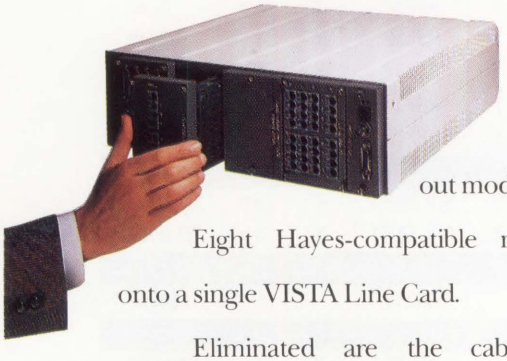
TERMINAL SERVERS

Model	# of Ports	Supported Interfaces	Internal Modem Control	External Modem Control	Protocol	Max Baud Rate (bps)	Flow Control	Rackmount/ Standalone	Warranty	Price
Able Computer 714 553-1188										
CS128	128	RS232/423	Y	Y	Internet/Protocol	38.4K	Y	R	1 y	$28,650+
DS016	16	RS232/423	Y	Y		38.4K	Y	S	1 y	$3,100
NPS/100	16	Ethernet	Y	Y	LAT	38.4K	Y	R/S	1 y	$5,300
TS 0/6	16	Ethernet	Y	Y	LAT	38.4K	Y	R/S	1 y	$4,500
TS016	16	Ethernet	Y	Y	LAT	38.4K	Y	R/S	1 y	$4,500
Adac Corporation 617 935-6668										
1750	2	RS232				19.2K		R		
Black Box Corporation 412 746-5500										
NTS100	8	RS232				38.4K		S		$2,700
CMC 805 968-4262										
TransServer	10	RS232	Y				Y	S	1 y	

What, no

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With the revolutionary, new VISTA Modem Line Card, Datability premieres network-based dial-in/dial-out modems.



Eight Hayes-compatible modems are packed onto a single VISTA Line Card.

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Configure four VISTA Modem Line Cards in a single VISTA Server and you harness the full power and functionality of 32 network-based modems. Witness a single VISTA Server taking the place of an entire rack of network equipment. Configurations are kept absolutely clean and simple throughout.

Each VISTA Modem Line Card provides eight fully Hayes-compatible auto-baud-detect modems, operating at speeds from 300 to 2400 baud.

Each modem can automatically switch between dial-in and dial-out service on an as-needed basis.

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spaghetti?

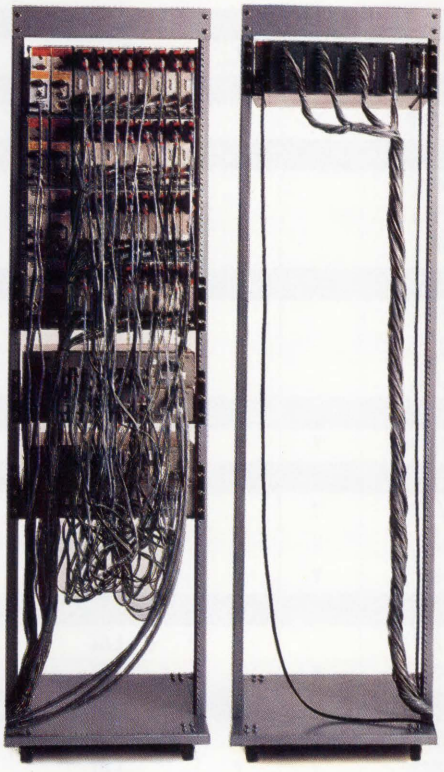
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TERMINAL SERVERS

Model	# of Ports	Supported Interfaces	Internal Modem Control	External Modem Control	Protocol	Max Baud Rate (bps)	Flow Control	Rackmount/ Standalone	Warranty	Price
Computer Products Inc. 305 974-5500										
GT360								R	1 y	$265
GT362	16							R	1 y	$390
GT370	16							R	1 y	$650
Datability Software Systems Inc. 800 342-5377										
VCP-1000	128	RS232/423	Y	Y	Y	38.4K	Y	R/S	1 y	$3,499+
Emulex Corporation 714 662-5600										
Performance 4000	32	RS232/423/P	Y			38.4K	Y	R/S	1 y	$3,890+
Equinox Systems 800 328-2729										
DS-15	936	RS232/423				19.2K		R/S	3 y	
DS-5	192	RS 232/425				19.2K		R/S	3 y	
ELS-48	48	RS232/423				38.4K		R/S	3 y	
Lantronix 714 367-0050										
EPS-4	5	RJ12		Y	LAT	38.4K	Y	S	2 y	$1,495
ETS-16	16	RJ12		Y	LAT	38.4K	Y	S	2 y	$2,495
ETS-8	8	MMJ/RJ12		Y	LAT, TCP/IP	38.4K	Y	S	2 y	$1,695
Micom Communications Corporation 805 583-8600										
0404	128	RS-232	Y	Y	LAT	38.4K	Y	R/S	3 y	$6,895
Sigma Information Systems 714 630-6553										
SCD-DLV11E	1	RS232/V.24	Y			19.2K	Y	R	1 y	$353
SCD-DLV11J	4	RS232	Y			38.4K	Y	R	1 y	$319
SCD-DLV11J/8S	8	RS232	Y			19.2K	Y	R	1 y	$657
Systems Concepts Inc. 415 984-1000										
RX-30	16	RS232		Y	LAT	38.4K	Y	S	1 y	
TX-30	128	RS232	Y	Y	LAT	38.4K	Y	S	1 y	
Xyplex Inc. 800 338-5316										
MAX 100L	16	RS423/RS237	Y	Y	LAT	38.4K	Y	R/S	3y	$3,395
MAX-1100L	16	RS423/RS232	Y	Y	LAT	38.4K	Y	R/S	3y	$3,395
MAX-1500	16	RS423/RS232	Y	Y	LAT/Prop.	38.4K	Y	R/S	3y	$3,795
Max-1800	16	RS423/RS232	Y	Y		38.4K	Y	R/S	3y	$4,395
MX-ASYNC-J8	8	RS232/423	Y	Y		38.4K		S		
MX-OTSERV-J16	16	RS232/423			LAT, TCP/IP	38.4K	Y		3y	$2,495
MX-SERV-J8	8	RS232/RS425	Y	Y	LAT, TCP/IP	38.4K	Y		3y	$1,295
MX-TSRVC-J16	16	RS232/423			LAT, TCP/IP	38.4K	Y		3y	$1,995
MX-TSRVM-58	8	RS423/232	Y	Y	LAT, TCP/IP	38.4K	Y		3y	$1,495

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8-line Terminal Server
LAT-TCP

ETS-16
16-line Terminal Server
LAT-TCP

EPS-4
4-line Terminal Server
w/printer port
LAT-TCP



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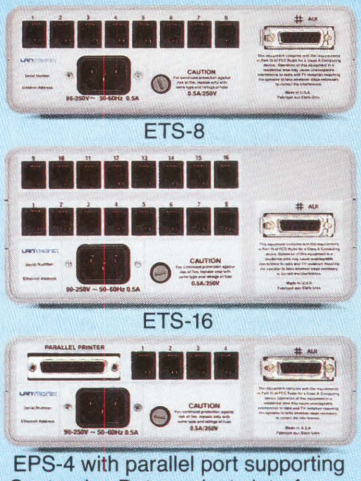
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X.25 PAD PROCESSORS

Model	X.25 Firmware	# of Supported Devices	Max Baud Rate (bps)	Processor Board	Distributuion Panel	Transmission Type	# of Network Ports	Power Requirements	Warranty	Price
Case/Datatel 800 424-4451										
PSX8500							4-64	115V		$18,500
Micom Communications Corporation 805 583-8600										
MB2	Y	16	19.2K	Y		Async	1	115/230V	3 y	$1,840
MB3	Y	22	19.2K	Y		Async	1/2	115/230V	3 y	$2,650
Microtronix Datacom Ltd. 519 681-3430										
CSI-X.25 Async PAD	Y		64K			Async	4-16	120/220V	1 y	
CSI-X.25 MicroPAD	Y		64K	Y	Y	Async		120/220V	1 y	
CSI-X.25 Switch	Y		64K	Y	Y	Async	6-18	120/220V	1 y	
CSI-X.25SNA/SDLC PAD	Y		64K	Y	Y	Sync	4-16	120/220V	1 y	
N.E.T. Access Products Division 805 562-3224										
PacketPlus/50	Y	16	64K	Y	Y	X.25	16	115/230V	1 y	$1,423
TX-700	Y	32	64K	Y		Async	1	120/240V	1 y	$2,145

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ACS 4110 is a remote Ethernet bridge that provides transparent connection between multiple Ethernet LANs through point-to-point HDLC/LAPB lines. Supports data speeds up to T1 rates.

Alantec

Multi LAN Switch
160M bps Transmission • Fiber Optic Bridge Device • SQE (Heartbeat)
Maintains three databases for self-learning address tables, custom filtering, and network groups; for networks supporting high-performance workstations.

SMARTLan Manager
10M bps Transmission • Network Management Device • SQE (Heartbeat) • 90 d Warranty
Network management station providing local and remote management of MLS systems. Includes remote diagnostics software download and real-time statistics analysis.

Allied Telesis Inc.

CentreCOM 150/250
10M bps Transmission • Dual Port Transceiver Device • SQE (Heartbeat) • 2 y Warranty
Dual-port transceiver with independent circuitry. Available in a variety of configurations. Features user-selectable switches, extensive LED status indicators, including a unique heartbeat switch.

CentreCOM 100/200
10M bps Transmission • Single Port Transceiver Device • SQE (Heartbeat) • 2 y Warranty
Compact, rugged design; unique user selectable heartbeat switch. Available with BNC, non-intrusive, T or N connectors. 200 Series includes additional LED indicators (heartbeat, transmit, receive).

CentreCOM 120
10M bps Transmission • Fiber Optic Transceiver Device • SQE (Heartbeat) • 2 y Warranty
Equipped with diagnostic indicators (transmit, receive, power, heartbeat), link test function and adjustable transmit power. Available with SMA or ST style fiber optic connectors.

CentreCOM 1600
10M bps Transmission • Multiport Transceiver Device • 1 y Warranty
Effective 16-port enhanced DELNI equivalent connects up to 16 stations for remote operation and may be cascaded to serve 256 stations. Tabletop or rackmountable.

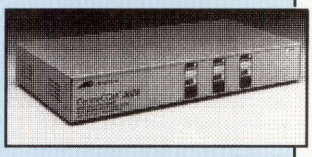
CentreCOM 2000
10M bps Transmission • MAC Level Bridge Device • SQE (Heartbeat) • 1 y Warranty
Dual port MAC bridges. Filtering and forwarding by frame type or source/destination address of frame. Statistical gathering. Spanning tree with adaptive routing. Management capabilities.

CentreCOM 270
10M bps Transmission • Dual Port Transceiver Device • SQE (Heartbeat) • 2 y Warranty
Dual-port transceivers with shared circuity and surface mount technology. Provides low power consumption and cost and high rehability. LED diagnostic indicators.

CentreCOM 3000
10M bps Transmission • Multiport Repeater Device • SQE (Heartbeat) • 1 y Warranty
Single and multiport IEEE 802.3 repeaters for thick, thin, fiber optic and twisted pair cabling. Features selectable termination and manual/auto partitioning.

Allied Telesis Inc.

Allied Telesis Inc.



■ The CentreCOM 3000 Series is a family of single and multiport repeaters available with fiber optic, thick, or thin network interfacing to match your site configuration. These IEEE 802.3-compliant repeaters have LED diagnositc indicators, selectable termination for 10BASE 2 ports, automatic or manual segmentation, selectable link test function based on proposed 10BASE F standards, and fiber optic ports with adjustable transmit power for varying flux budgets.
• AT-3026 Thick to Fiber Optic
• AT-3027 Thin to Fiber Optic
• AT-3028 Thick to Two Fiber Optic Ports
• AT-3008F Thick to Eight Fiber Optic Ports Fiber Distances to 3 KM. Call Allied Telesis or more information (415) 964-2771

CentreCOM 470
10M bps Transmission • Four Port Transceiver Device • SQE (Heartbeat) • 2 y Warranty
Four-port transceiver with shared circuity, surface mount technology. Compact, low power, low cost, high reliability. LED diagnostic indicators. Available with BNC, non-intrusive, T, N connectors.

CentreCOM 5000
10M bps Transmission • Multimedia Concentrator Device • SQE (Heartbeat) • 1 y Warranty
Multimedia concentrator allows up to nine ports of thick, thin, fiber optic and twisted pair repeaters and transceiver fan out functions in one rackmountable chassis.

CentreCOM 7000
10M bps Transmission • MAC Level Bridge Device • SQE (Heartbeat) • 2 y Warranty
User-selectable WAN interface. STP, load balancing/triangulation/adaptive routing and network management available. Saturates two T1 links simultaneously.

CentreCOM 800 Series
10M bps Transmission • Multiport Transceiver Device • SQE (Heartbeat) • 1 y Warranty
Enhanced DEC DELNI equivalent. Connects up to 64 stations from a single tap (standalone or remote). 810 model offers low-profile design with diagnostic indicators.

Black Box Corporation

Ethernet Bridge
10M bps Transmission • Ethernet Bridge Device
Cut down on heavy network traffic with a Black Box Ethernet Bridge. It "learns" routes through LANs, has high filter rate (13,500 frames/second) and forward rate (8,000 frames/second).

Ethernet Transceiver
10M bps Transmission • Transceiver Device • SQE (Heartbeat)
Black Box stocks one of the largest selection of transceivers available; for example, single-port transceivers BNC model (NK-LN002) at $189 and Vampire (NK-LN001) at $189.

Fan Out Unit
10M bps Transmission • Fan Out Unit Device
Provides the full data rate of the network to each AUI connection.

Fiber Optic Repeater
10M bps Transmission • Fiber Optic Repeater Device
Features preamble regeneration, fragment extension, data retiming and auto-partitioning of faulty segments. Two fiber optic repeaters are need and must be used with non-SQE transceivers.

Local Repeater
10M bps Transmission • Repeater Device
Regenerates preamble and extends collision fragments. Also performs automatic partitioning and reconnection functions in the event of a segment failure.

Multiport Repeater
10M bps Transmission • Multiport Repeater Device
Black Box stocks a network repeater for you including Local Repeater (NK-LN420B) at $1,460, Multiport Repeater (NK-LN410B) at $2,900, and Fiber Optic Repeater (NK-LN320B) at $2,180.

Cabletron Systems Inc.

CPT-100-T
15 M bps Transmission • 10 Base-T-compatible Device
Designed for use with Cabletron's twisted pair product line; daisy chains thin Ethernet connections from one twisted pair segment. Connects directly to an on-board RJ-45 port and supports up to 10 nodes.

FOT-1
10M bps Transmission • Fiber Optic Transceiver Device • SQE (Heartbeat)
Supports a full 10M bps Ethernet data rate over fiber optic cable. Features selectable SQE test and provides one standard AUI connector and one fiber optic connector. Use with the FR-3000 and the FOT-MIM in the MMAC hub.

IRM
10M bps Transmission • Intelligent Repeater Module Device
Features three-tiered management and control, total redundancy, an automatic or manual reconfiguration connection, and allows access to password protected module through the network or via a dual RS232 connector.

FR3000
10M bps Transmission • Fiber Optic Repeater Device • 1 y Warranty

LR2000
10M bps Transmission • Repeater Device • 1 y Warranty

MR9000 C
10M bps Transmission • Thin Multiport Repeater Device • 1 y Warranty
Functions include: (1) transmission of data packets, (2) regeneration of preamble, (3) extension of collision fragments, (4) automatic partitioning of problem segments and (5) automatic reconnection of non-problem segments.

MR9000TPT
10M bps Transmission • Multiport Repeater Device • 1 y Warranty
The MR9000TPT allows network designers to attach up to eight Ethernet network devices to networks, using inexpensive shielded or unshielded twisted pair cabling.

MT800
10M bps Transmission • Multiport Transceiver Device • 1 y Warranty
Provides eight ports connecting to Ethernet host units and features a selectable SQE test. User selectable for standalone use or for attachment to the network backbone.

NB20E
MAC-level Bridge Device • 1 y Warranty
The NB20E is a low cost bridge that applies a software hashing algorithm to process as many as 15K packets per second with a forwarding rate of 8K packets per second.

NB25E
MAC-level Bridge Device • 1 y Warranty
High-performance bridge that utilizes a hardware filter to process data up to 28K packets per second with a forwarding rate of 10K packets per second.

ST500
10M bps Transmission • Transceiver Device • SQE (Heartbeat) • 1 y Warranty
Adaptable for thick or thin Ethernet cable and features a selectable SQE test and offers (1) nonintrusive tap, (2) intrusive N-Series tap, and (3) BNC tap connections.

THN-MIM
10M bps Transmission • Coaxial Media Module Device
Module that allows users to expand their networks over a variety of media types. Each module provides 12 IEEE 802.3/ Ethernet thick or thin segment connections.

TMS-3
10M bps Transmission • Thin Ethernet Transceiver Device • SQE (Heartbeat) • 1 y Warranty
Provides basic transmit/receive functions. Features a lightweight design that complements the Ethernet cabling applications. Installed in areas of thin Ethernet networks previously restricted by bulky, heavier transceivers.

TPT-2
10M bps Transmission • Twisted Pair Transceiver Device • SQE (Heartbeat)
Supports a full 10M bps Ethernet data rate over shielded or unshielded twisted pair cable. Connects two active Ethernet devices such as repeaters, multiport repeaters and host devices using twisted pair cabling.

Canoga-Perkins

4020
10M bps Transmission • Fiber Optic Extender Device • 1 y Warranty
Allows CPUs with DACU interfaces to be located long distances from graphics controllers, printers, and other CPUs.

8801
Line Monitor Device • 1 y Warranty
The 8801 mounts directly on the transceiver and provides four pairs of buffered test points for the four active signals.

8802
10M bps Transmission • Fiber Optic Repeater Device • 1 y Warranty

8803
Transceiver Device • 1 y Warranty
The 8803 offers Vampire or Obstrusive taps for Ethernet cables and a Thin Ethernet tap for RG-58 cable. It supports up to 100 taps attached per 500 meter segments, 2.5 meters apart.

8806
10M bps Transmission • Expander Device • SQE (Heartbeat) • 1 y Warranty
The 8806 supports AC/DC coupling, back-to-back frames and signal compatibility.

8820
10M bps Transmission • LAN Hub Device • 1 y Warranty
The 8820 prevents collisions between port devices and may be configured to form a daisy chain or cascaded network. It also operates in loopback mode as part of a standalone, non-cable network without a transceiver.

Casat Technology Inc.

4306
10M bps Transmission • Transceiver Device • SQE (Heartbeat) • 1 y Warranty
10Base T transceiver to convert existing Ethernet cards to twisted pairs. Comes complete with modular connecting cable.

4360 Series
10M bps Transmission • Multiport Transceiver Device • SQE (Heartbeat) • 1 y Warranty
12-port Ethernet multiport transceiver unit network management. Complete with diagnostic LEDs for easy network maintenance.

ENT 4320
10M bps Transmission • LAN Hub Device • SQE (Heartbeat) • 1 y Warranty
A star or tree hub that may be cascaded to three levels. Unique LANCAST collision avoidance circuitry provides increased throughput. May be connected to backbone.

ENT-4304
10M bps Transmission • Transceiver/Remote Diagnostic Monitor Device • SQE (Heartbeat) • 1 y Warranty
IEEE 802.3 transceiver for coax media connections. Transmit, receive, collision, power LEDs in remote devices attached to nodes. Provides simplified verification of operation and diagnostics.

ETP 4380
10M bps Transmission • LAN Hub Device • SQE (Heartbeat) • 1 y Warranty
10Base T Repeater Hub with 12 parts. Optional network management unit tube visual diagnostics with LEDs.

Chipcom Corporation

7000H
10M bps Transmission • LAN-LAN MultiMedia Hub Device • 1 y Warranty
Chipcom's LAN-to-LAN MultiMedia Hub is a modular, multiport repeater that provides a central platform for connecting multisegment multimedia Ethernet networks.

8023FT
10M bps Transmission • Frequency Translator Device • 1 y Warranty
The 8023FT is another Ethermodem product used only in single-cable broadband networks that extends the Ethernet network to 4000 meters when used with Ethermodems.

8083B
10M bps Transmission • Bridge Device • 1 y Warranty

8312BS
10M bps Transmission • Broadband-baseband Bridge Device • 1 y Warranty
This model supports a 12MHz single-cable Ethermodem network and features redundancy and loop detection.

8312HE
10K bps Transmission • Ethermodem Remodulator Device • 1 y Warranty
The 8312HE is another Ethermodern product used only in single cable broadband networks that extends the Ethernet network to 2500 meters when used with Ethermodems.

8312MS
10M bps Transmission • Broadband Transceiver Device • 1 y Warranty
The 8312MS is a single-cable configuration that supports eight ports. It uses existing broadband cable and connects with standard IEEE 802.3 transceiver cable, eliminating the need for additional cables.

8312S
10M bps Transmission • Broadband Transceiver Device • 1 y Warranty
The 8312S is a single-cable configuration that supports two ports. It uses existing broadband cable and connects with standard IEEE 802.3 transceiver cable.

8318BD
10M bps Transmission • Broadband-baseband Bridge Device • 1 y Warranty
This model supports an 18MHz dual cable EtherModem network and features redundancy and loop detection.

8318BS
10M bps Transmission • Broadband-baseband Bridge Device • 1 y Warranty
This model supports an 18MHz single-cable EtherModem network and features redundancy and loop detection.

8318MS
10M bps Transmission • Broadband Transceiver Device • 1 y Warranty
The 8318MS is a single-cable configuration that supports eight ports. Please note that this model requires a Chipcom Frequency Translator or Remodulator.

8318S
10M bps Transmission • Broadband Transceiver Device • 1 y Warranty
8318S single-cable configuration supports two ports, requires Chipcom Frequency Translator or Remodulator. Chipcom's Ethermodems allow users to select the frequencies at which Ethernet runs.

8412BS
10M bps Transmission • Broadband-baseband Bridge Device • 1 y Warranty
Extends networks up to 12 miles, providing up to three data channels on broadband cables without need for guard bands. Uses IEEE 802.4 (MAP) backbone.

9308S
10M bps Transmission • Fiber Optic Star Coupler Device • 1 y Warranty
Consists of transceiver with single AUI port and active star coupler with eight ports, redundancy features such as uplinks and a temperature control fan.

9314S
10M bps Transmission • Fiber Optic Star Coupler Device • SQE (Heartbeat) • 1 y Warranty
Consists of transceiver with single AUI port and active star coupler with 14 ports, redundancy features such as up-links and a temperature control fan.

CMC

DRN-3200
DDN Ethernet Router Device • 1 y Warranty
The DRN-3200 connects TCP/IP LANs to the DDN. Comes with two 10MHz microprocessors, 649KB dynamic RAM and DDN-standard X.25 or 1822 DDN interface.

ENO-50
1 y Warranty
The ENO-50 is an intelligent Ethernet node processor for MicroVAX II with a Motorola 68010 processor at 12.5MHz and 512KB of RAM. Includes 802.3 10BASE 5 thick coax Ethernet transceiver interface.

David Systems Inc.

David ExpressNet
10M bps Transmission • Star with central Hub Device • SQE (Heartbeat) • 2 y Warranty
Computers may be located up to 100 meters from the Hub and also may be cascaded to support greater distances and up to 1024 nodes.

DuPont Electronics

10Baset Networking
10M bps Transmission • L Device • IEEE Standards • 802.3 Lines Supported • 1 y Warranty
The LAN 1 10Base T Networking Systems provides highly flexible interconnection of unshielded twisted pair, shielded twisted pair, coax and fiber optic Ethernet segments.

EOT-322
10M bps Transmission • Optical Transceiver Device • 1 y Warranty
This model may be used with Siecor's Active Star System or as a fiber optic Inter-Repeater Link (FOIRL) to connect networks up to 2km. Available with SMA or ST-type connectors; compatible with all major multimode fiber sizes.

IRL-222H
10M bps Transmission • Fiber Optic Transceiver Device • 1 y Warranty
The IRL-222H is a high-power point-to-point link device that serves networks up to 4.5km. Available with SMA or ST-type connectors and is compatible with all major multimode fiber sizes.

LAN 1/EOT-322
10M bps Transmission • R Device • IEEE Standards • 802.3 Lines Supported • 1 y Warranty
May be used with DuPont's LAN 1 Multimedia Ethernet System or as a fiber optic Inter-Repeater Link (FOIRL) to connect networks up to 2km.

LAN 1/IRL-222H
10M bps Transmission • R Device • 802.3 Lines Supported • 1 y Warranty
The IRL-222H is a high power point-to-point link device that connects networks up to 4.5km. Available with SMA or ST-type connectors.

LAN 1/RL3000
10M bps Transmission • L Device • IEEE Standards • 1 y Warranty
The RL3000 is fully compatible with IEEE 802.3 specifications and features switchable SQE test and a wide array of LED indicators for monitoring network activity.

LAN 1/RL6000Fi
10M bps Transmission • R Device • IEEE Standards • 802.3 Lines Supported • 1 y Warranty
The RL6000Fi has extensive diagnostic indicators, operates either with or without SQE Test and has internal power supply that automatically adjusts to most electrical environments.

LAN 1/RL6000Li
10M bps Transmission • L Device • IEEE Standards • 802.3 Lines Supported • 1 y Warranty
The RL6000Li has extensive diagnostic indicators, the ability to operate either with or without SQE test and a self-adjusting internal power supply.

Multimedia Ethernet
10M bps Transmission • Multiport Repeater Device • SQE (Heartbeat) • 1 y Warranty
Multimedia Ethernet System consists of universal concentrator and connectivity modules for twisted pair, fiber optic, coax implementations. Universal Concentrator can house Ethernet, Token Ring, AppleTalk modules.

Passive Star System
10M bps Transmission • Passive Star Coupler Device • 1 y Warranty
The use of a Passive Star coupler yields highly reliable system where node failure or break in cable affects only that node, not the entire system.

RL3000
10M bps Transmission • Coax Transceiver Device • SQE (Heartbeat) • 1 y Warranty
The RL3000 is fully compatible with IEEE 802.3 specifications and features switchable SQE test and a wide array of LED indicators for monitoring network activity.

RL6000L
10M bps Transmission • Repeater Device • 1 y Warranty
The RL6000L Ethernet local repeater features extensive diagnostic indicators and ability to operate with or without SQE tests. Less than half the size of other repeaters.

RL6000Li
10M bps Transmission • Repeater Device • 1 y Warranty
The RL6000Li provides the features of Siecor's RL6000L repeater and operates in most electrical environments worldwide, without modification.

Fibermux Corporation

CC 44652
LAN Bridge Device
Transfers Ethernet traffic through the network, providing distances between Fibermux's FX4400 multiplexer, limited only by the fiber type and optical gain. Also supports V2.0.

CC6611Z
10M bps Transmission • Multiport Device • 1 y Warranty
The CC6611Z is a module housed in the Crossbow Workstation Networking Hub that connects directly to full-size thick segments via AVT drop cables.

CC6612Z
10M bps Transmission • Multiport Device • 1 y Warranty
The CC6612Z is a module housed in the Crossbow Workstation Networking Hub that provides direct connection for eight full-size thin Ethernet segments.

CC6613Z
10M bps Transmission • Multiport Device • 1 y Warranty
The CC6613Z is a module in the Crossbow Workstation Networking Hub that complies with the 10Base T standard offering 10 RJ-45 connectors for device attachment.

CC6614Z
10M bps Transmission • Multiport Device • 90 d Warranty
The CC6614Z is a module housed in the Crossbow Workstation Networking Hub that provides 10Base T signal-compliant connection for 10 Ethernet devices.

CC6615Z
10M bps Transmission • Multiport Device • 1 y Warranty
The CC6615Z is a module housed in the Crossbow Workstation Networking Hub that offers six pairs of fiber connectors for direct device or hub attachment via fiber-optic cable.

FX701
10M bps Transmission • Repeater Device • 1 y Warranty
Connects two segments of a V2.0 or IEEE 802.3 LAN by way of an Ethernet transceiver (AUI) cable or duplex optical fiber cable.

Lannet Data Communications Ltd.

LE-3 Modulae Enclosure
10M bps Transmission • 3 card hub Device • SQE (Heartbeat) • 1 y Warranty
Supports AUI, Repeater, UTP, STP, F/O, and 10Base T modules. Also supports redundant power supply, in addition to real-time redundant links.

Method Systems Inc.

FiberLink I
15M bps Transmission • Fiber Optic Transceiver Device • 2 y Warranty
The FiberLink I provides point-to-point fiber optic channel for equipment using RS232, RS422, RS485, or TTL interfaces.

Micro Technology Inc.

LANager
Network Analyzer Device
LANager is a standalone Ethernet 802.3-compatible network analyzer designed to troubleshoot network problems and provide real-time information about the network to management.

MEQNA
MEQNA offers complete software compatibility with DECnet, LAVC and LAT while conforming to the data link and physical layer functions of Ethernet specifications.

MESTA
10M bps Transmission • Thin Wire Transceiver Device • SQE (Heartbeat) • 1 y Warranty
Features jabber control (auto reset), jabber timeout and jabber reset time. Direct push mount and no drop cable needed.

Microcom Inc.

MLB/5000
19.2K bps Transmission • Remote Bridge Device • 90 d Warranty
Turn-key bridge system with a dial-up WAN interface, a LAN interface that features MNP data compression, packet filtering, security, and network management capabilities.

MLB/5500
64K bps Transmission • Remote Bridge Device • 90 d Warranty
Turn-key bridge system with an ISDN basic rate WAN interface, that features packet filtering, security, and network management capabilities.

MLB/6000
2.048M bps Transmission • Remote Bridge Device • 90 d Warranty
Turn-key bridge system with a leased line WAN interface, a LAN interface that features MNP data compression, spanning tree protocol, packet filtering, security, and network management capabilities.

MLB/6500
67K bps Transmission • Remote Bridge Device • 90 d Warranty
Turn-key bridge system with an X.25 WAN interface, a LAN interface that features packet filtering, security, and network management capabilities.

Raycom Systems Inc.

Bridge + Fiber
10M bps Transmission • Fiber Optic Bridge Device • SQE (Heartbeat) • 1 y Warranty
Part of Raycom's 3700 Series, Bridge + Fiber connects IEEE 802.3 LANs via a 10M bps fiber link over distances of up to 10km using standard cable.

Bridge+ 1.5
1.544M bps Transmission • Remote Bridge Device • SQE (Heartbeat) • 1 y Warranty
Part of Raycom's 3700 Series, Bridge+ 1.5 connects geographically separated IEEE 802.3 LANs at up to 1.544M bps with a forwarding rate of 3200 frames per second.

Local Bridge+
10M bps Transmission • Local Bridge Device • SQE (Heartbeat) • 1 y Warranty
Part of Raycom's 3700 Series, Local Bridge+ connects IEEE 802.3 LANs including Ethernet, Thinnet and StarLAN with a forwarding rate of over 6000 frames per second.

Richard Hirschmann of America

Active Star
10M bps Transmission • Active Star Coupler Device • SQE (Heartbeat) • 1 y Warranty
A single network may accommodate up to 343 Active Star Couplers. Any card may be intermixed or removed from the chassis without affecting the entire network.

SynOptics Communications

1000 Series Concentrators
10M bps Transmission • Concentrators Device • 1 y Warranty
Provides Ethernet for structured cabling systems using unshielded twisted pair wire, shielded twisted pair wire, and fiber optic cables configured in an active hierarchical star.

1000 Series Modules
10M bps Transmission • Host Modules Device • 1 y Warranty
LattisNet 1000 series host modules reside in 1000 series concentrators; provide Ethernet host connections for unshielded twisted pair, shielded twisted pair and fiber optic cable.

2500
10M bps Transmission • Workgroup Concentrator Device • 1 y Warranty
Provides eight connections for a 10M bps Ethernet in a star topology over unshielded twisted pair wiring.

2510
10M bps Transmission • Workgroup Concentrator Device • 1 y Warranty
Provides eight connections for a 10M bps Ethernet in a star topology over unshielded twisted pair wiring. Retiming feature is included for large hierarchical star networks.

2530
10M bps Transmission • Workgroup Concentrator Device • 1 y Warranty
Provides eight connections for 10M bps Ethernet in a star topology over unshielded twisted pair wiring. Built-in AUI port provides direct connection to coaxial Ethernet.

2600
10M bps Transmission • Thin Net Adapter Device • 1 y Warranty
Daisy-chains small clusters of workstations with thin coaxial cable in areas where unshielded twisted pair wire has not been previously installed, or is limited.

3308
10M bps Transmission • Host Module Device • 1 y Warranty
Resides in system 3000 concentrator to support 12 host connections. Designed to meet draft 10 of IEEE 10Base T standard for unshielded twisted pair wire.

502A
10M bps Transmission • Shld. Twisted Pair Transceiver Device • 1 y Warranty
The 502A is equipped with shielded twisted pair cabling and AUI connectors. Used in conjunction with Model 402 or 3302 shielded twisted pair host modules.

504-ST
10M bps Transmission • Fiber Optic Transceiver Device • 1 y Warranty
The model 504 features bayonet-type ST and AUI connectors. Used in conjunction with SynOptics' fiber optic host module (404-ST and 3304-ST).

505
10M bps Transmission • Unshld. Twisted Pair Transceiver Device • 1 y Warranty
The 505 is equipped with RJ-45 unshielded twisted pair modular receptacle and AUI connectors, used with Model 505 or 3305 unshielded twisted pair host modules.

System 1000
10M bps Transmission • Concentrators Device • 1 y Warranty
Provides Ethernet for structured cabling systems using unshielded twisted pair wire, shielded twisted pair wire, and fiber optic cables, configured in an active hierarchical star.

System 3000
10M bps Transmission • Concentrators Device • 1 y Warranty
Built upon SynOptics' Network Utility Architecture, System 3000 provides a modular platform for physical layer connectivity (Ethernet for structured cabling systems), internetworking, and integrated network management.

Talaris Systems Inc.

T-LAP-Ethernet
Controller Device • 90 d Warranty
Provides a complete solution for interfacing the Printstations to Ethernet, including the required hardware, cables, and host software. Supports both Thickwire and Thinwire.

TCL Inc.

2010K
10M bps Transmission • Transceiver Device • SQE (Heartbeat) • 1 y Warranty
IEEE 802.3 MAU 10M bps AMP TAP and LEDs.

Versitron

Tempest
10M bps Transmission • Fiber Optic Ethernet Device • SQE (Heartbeat) • 90 d Warranty
Versitron manufactures a complete line of Fiber Optic Ethernet equipment including transceivers, repeaters (Local, Remote, and Multiport), and bridges.

Xyplex Inc.

MX-6510
9.6 bps Transmission • Bridge Device • 3 y Warranty
Designed for use with any of Xyplex's MAXserver communication server chassis (5500, 5000, 4500). Supports IPO (Interactive Protocol Optimization) for LAT traffic and Vitalink's Communication Protocol.

MX-REPTR-E1
10M bps Transmission • Ethernet Repeater Device • SQE (Heartbeat) • 3 y Warranty
Multiple MX-REPTR-E1 units may be used to create an Ethernet multiport repeater, linking up to 16 separate networks. Provides redundant Ethernet connection.

Networking Interfaces

Able Computer

NC3600
3600 Lines Supported • Port Contention • Able IP Supported • LEDs • 1M Max. Baud Rate • Sync Transmission • 1 y Warranty
Combines centralized network management, security, and access control diagnostics. Supports up to 3600 host and terminal connections and up to 32 routing and server links.

NC480
480 Lines Supported • Port Contention • ABLE IP Supported • LEDs • 1M Max. Baud Rate • Async Transmission • 1 y Warranty
Network Control System combines centralized network management, security, and access control diagnostics. Supports up to 480 host and terminal connections in a standalone desktop model.

RG300 RemoteGate
2 Lines Supported • Port Contention • X.21 Supported • LEDs • 80K Max. Baud Rate
Interconnects one or more LANs over WANs including leased lines, satellites, packet data networks, and microwave links. Supports AT&T, Paradyne & Case/Datatel, ARQ Protocols.

Advanced Computer Communications (ACC)

ACP 6640
23 Lines Supported • LEDs • 19.2K Max. Baud Rate • Async Transmission
The ACP 6640 uses the Digital Multiplex Interface (DMI) protocol. Each channel appears as an auto-answer/dial-out modem to the host and as a locally attached terminal to the user.

Andrew KMW Systems Inc.

8900A
U/Q Supported
Connects a DEC UNIBUS or Q-bus system to an IBM or plug-compatible host with data rates of up to 1.2M bps. The 8010 driver/receiver module must be used in conjunction with the 8900A.

8911A
U/Q Supported
Connects a DEC UNIBUS or Q-bus system to an IBM or plug compatible host with data rates of up to 1.2M bps. The 8911 emulates a standard control unit in the host and is fully programmable.

C & C Technology Inc.

Q-ARC-01
1 Line Supported • LEDs • 2.5M Max. Baud Rate • Async Transmission • Q-bus Supported • 1 y Warranty
Intelligent slave that interfaces the SMC 9026 ARCNET controller to the Q-bus in star or bus topology. Supports distributed priority with interrupt-level selection from levels BR4 to BR6.

U-ARC-01
1 Line Supported • LEDs • 2.5M Max. Baud Rate • Async Transmission • UNIBUS Supported • 1 y Warranty
Intelligent slave that interfaces the SMC 9026 ARCNET controller to the UNIBUS with star or bus topology. Supports distributed priority with interrupt-level selection from levels BR4 to BR6.

Digital Link Corporation

DL551V 11-MLS
16 Lines Supported • RJ-48C Supported • LEDs • 1.544M Max. Baud Rate • 2 y Warranty
A shelf-based system capable of mounting up to 16 single-port, DL551V II-M DSU/CSU modules for T1 to data interface of line driver applications.

DL551VX
2 Lines Supported • RJ-48C Supported • LEDs • 1.544M Max. Baud Rate • 2 y Warranty
The DL551VX features front panel display access to all ESF registers, two DTE channels, and built-in communications interface for terminal modem or management.

DL551VX-FT
2 Lines Supported • RJ-48C Supported • LEDs • 1.544M Max. Baud Rate • 2 y Warranty
Comes with all the features of the DL551VX, plus fractional T1 compatibility (AT&T, PUB 54019A, US Sprint, MCI, Williams Telecom) and channelization capability.

DL551VX-RD
2 Lines Supported • RJ-48C Supported • LEDs • 1.544M Max. Baud Rate • 2 y Warranty
Comes with all features of DL551VX, plus transmits a status report on T1 alarms via dial-up link or printer. Alarm conditions are user programmable.

DL551X-RD
1 Line Supported • RJ-48C Supported • LEDs • 1.544M Max. Baud Rate • 2 y Warranty
Comes with all features of DL551X, plus transmits status report on T1 alarms via a dial-up link or printer. Alarm thresholds are user programmable.

T1-ISO DL551A
1 Line Supported • RJ48C Supported • LEDs • 1.544M Max. Baud Rate • 2 y Warranty
Connects PBXs, T1 multiplexers, T1 voice compressors, DACS, channel banks and FEPs. Protects networks and provides DTE loopback, industry standard remote loopback, and more.

T1-ISO DL551VII
1 Line Supported • RJ48C Supported • LEDs • 1.544M Max. Baud Rate • 2 y Warranty
Takes digital data from LAN bridges, routers, gateways, CPUs, or CAD/CAM equipment (V.35 or RS449) for connector to T1 network.

T1-ISO DL551X
1 Line Supported • RJ48C Supported • LEDs • 1.544M Max. Baud Rate • 2 y Warranty
Connects PBXs, T1 multiplexers, T1 voice compressors, DACS, channel banks and FEPs. Protects networks and provides DTE loopback, industry standard remote loopback, and more.

McComb Research

ShareNet-5100
256 Lines Supported • Port Contention • RS232 Supported • LEDs • 115,200 Max. Baud Rate • Async Transmission • U/Q Supported • 1 y Warranty
Autobaud serial port module with menu-driven, "AT" modem command-set-compatible interface, password security. Links PCs, minicomputers, printers, terminals via non-polarized twisted-pair cable.

ShareNet-5110
256 Lines Supported • Port Contention • Parallel Supported • LEDs • 115,200 Max. Baud Rate • U/Q Supported • 1 y Warranty
Parallel port module with menu-driven, "AT" modem command set compatible interface password security. Links PCs, minicomputers, printers, terminals via non-polarized twisted-pair cable.

ShareNet-5120
256 Lines Supported • Port Contention • Parallel Supported • LEDs • 115,200 Max. Baud Rate • Async Transmission • U/Q Supported • 1 y Warranty
Autobaud parallel and serial port module with menu-driven, "AT" modem command set compatible interface. Links PCs, minicomputers, printers, terminals via non-polarized twisted-pair cable.

ShareNet-522D
256 Lines Supported • Port Contention • Parallel Supported • LEDs • 115,200 Max. Baud Rate • Async Transmission • U/Q Supported • 1 y Warranty
Same as 5120 including a 256KB RAM buffer which is expandable up to 1MB to support desktop publishing.

McData Corporation

6100E CETI Channel Gateway
Port Contention • Ethernet Supported • 13 mo Warranty
Attaches to an Ethernet LAN and an IBM channel. Utilizes host TCP/IP software to provide terminals on TCP/IP servers with access to 3270 applications.

6100E TCP/IP channel
Port Contention • Ethernet Supported • 13 mo Warranty
Attaches to an Ethernet LAN and an IBM channel. Provides emulation for terminals on TCP/IP servers to access 3270 applications. No additional host software required.

Switching Devices

Alantec

MLS
4-10 Ports Supported
MLS is capable of fully interconnecting as many as 10 local area networks while providing advanced filtering and network management features.

Aviv Corporation

DPS 300
2 Ports Supported • Pertec, STK Supported • 90 d Warranty
The Dual Port system is an electronic switch that allows two computers to share any tape drive with Pertec formatted I/O.

MPS 300
6 Ports Supported • Pertec, STK Supported • 90 d Warranty
The Multi-Port System (MPS 300) is an electronic switch that allows six computers to share any tape drive with Pertec formatted I/O.

QPS 300
4 Ports Supported • Pertec, STK Supported • 90 d Warranty
The Quad Port System (QPS 300) is an electronic switch that allows four computers to share any tape drive with Pertec formatted I/O.

TU81 Tape Share
2 Ports Supported • LESI Supported • 90 d Warranty
TU81 tape share permits any two DEC CPUs having K-LESI adapters to share a TU81 or TU81 and tape drives.

Datacom Technologies Inc.

MetroSwitch 412
4 Ports Supported • 16 Lines Supported • Async Transmission • 19.2K Max. Baud Rate • 1 y Warranty

MetroSwitch 413
4 Ports Supported • 16 Lines Supported • Async Transmission • 19.2K Max. Baud Rate • 1 y Warranty
Allow up to 16 users to share one printer. Features automatic input port selection, automatic conversion of serial input to parallel output, and more.

MetroSwitch 430/431/433
4 Ports Supported • 20 Lines Supported • Async Transmission • 19.2K Max. Baud Rate • RS232 Supported • 1 y Warranty
Up to 20 users can share two printers simultaneously. Feature 256KB buffer size, spooling capabilities, and selectable options to send different documents between two printers.

Digital Consultants

ITM
4 Ports Supported • 4 Lines Supported • Pertec Supported • 1 y Warranty
The ITM (Intelligent Tape Manager) is a general purpose digital switch allowing two to four CPUs to share one to four Pertec interfaced tape drives. Allows users to integrate CPUs and tape vendors.

Gold Key Electronics, Inc.

LN2-HP1 Switching Device
19.2K Max. Baud Rate • RS232 Supported • Port Contention • 1 y Warranty
The LN2-HP1 provides automatic shared access and LN03 emulation for up to three systems to one HP LaserJet printer, providing support for DEC applications.

LN3-HP1 Switching Device
4 Ports Supported • 19.2K Max. Baud Rate • RS232 Supported • Port Contention • 1 y Warranty
The LN3-HP1 SWITCHmate provides automatic shared access for up to three systems to one HP LaserJet printer and emulates DEC's LN03 laser printer.

SW2-2+2
4 Ports Supported • 19.2K Max. Baud Rate • RS232 Supported • Port Contention • 1 y Warranty
The SWITCHmate 2+2 connects two sharing systems to two printers and allows for automatic printer sharing.

SW2-ID1
3 Ports Supported • 19.2K Max. Baud Rate • RS232 Supported • Port Contention • 1 y Warranty
The SWITCHmate Jr. SW2-ID1 is a printer

switching device that allows two systems to share one DEC printer automatically.

SW3-ID1
4 Ports Supported • 19.2K Max. Baud Rate • RS232 Supported • Port Contention • 1 y Warranty
The SWITCHmate SW3-ID1 is a printer switching device that allows three systems to share one DEC printer automatically.

SW6-ID2
8 Ports Supported • 19.2K Max. Baud Rate • RS232 Supported • Port Contention • 1 y Warranty
The SWITCHmate SW6-ID2 is a printer switching device that allows six systems to share two DEC printers automatically.

Micom Communications Corporation

Instanet6000-20
250 Ports Supported • 250 Lines Supported • A/S Transmission • 72K Max. Baud Rate • S/V.35/T1 Supported • Port Contention • 3 y Warranty
Provides switching functions for up to 250 channels and allows direct access to all resources on the network.

Instanet6000-40
2036 Ports Supported • 2036 Lines Supported • A/S Transmission • 72K Max. Baud Rate • S/V.35/T1 Supported • Port Contention • 3 y Warranty
Provides switching functions for up to 2036 channels and allows direct access to all resources on the network.

Omicron Telesystems Inc.

PFS
RS232 Supported
The PFS (Programmable Fallback Switch) is designed for A/B switching applications and may be operated in automatic fallback mode, programmed priority mode, and contention mode.

Racal-Milgo

Omnimux 8000
768 Ports Supported • 8 Lines Supported • A/S Transmission • 64K Max. Baud Rate • S/V.35 Supported • Port Contention • 1 y Warranty
Designed to maximize the economic payback inherent in integrated voice, data, and digitized video communications.

Omnimux 9000
1584 Ports Supported • 36 Lines Supported • A/S Transmission • 1.536M Max. Baud Rate • RS232 Supported • Port Contention • 1 y Warranty
Sophisticated networking T1 multiplexer supporting meshed voice/data/video networks. SUN-based network management system features a graphics-based user interface, automatic or user-defined control of T-1 networks.

Rose Electronics

CareTaker
4-8 Ports Supported • S/P Supported • 1 y Warranty
Shares one peripheral with many hosts but does not support buffering.

CareTaker Plus
4-8 Ports Supported • Async Transmission • 19.2K Max. Baud Rate • S/P Supported • Port Contention • 1 y Warranty
Shares one peripheral with many hosts. Accepts data simultaneously on all ports and will connect each port automatically on a first-come first-serve basis. Supports buffering.

MasterSwitch Family
2-16 Ports Supported • Async Transmission • 115.2K Max. Baud Rate • S/P Supported • Port Contention • 1 y Warranty
Interconnects computers and peripherals through serial and parallel interfaces. Features automated operation with commands or interactive menus and includes modem support.

Porter
4-8 Ports Supported • Async Transmission • 19.2K Max. Baud Rate • Queue • S/P Supported • 1 y Warranty
Connects one computer to several devices and supports buffering.

Terminal Servers

Able Computer

CS128
128 Ports Supported • RS232/423 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty
Communication system able to connect up to 128 users to a host system up to 2000 feet away using twisted pair cable. Full modem support.

DS016
16 Ports Supported • RS232/423 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty
Distributed terminal server designed to locate terminal servers with PCs, terminals, printers and computers and to extend Ethernet/LAT access or direct DEC host access.

NPS/100
16 Ports Supported • Ethernet Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty
NPS/100 is an intelligent multicircuit protocol gateway which allows TCP/IP and DEC LAT terminal servers to communicate directly with both LAT and TCP/IP hosts.

TS 0/6,TS016
16 Ports Supported • Ethernet Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty
Terminal Servers allow up to 64 sessions to communicate with both LAT and TCP/IP host, easy protocol upgrades with Able stack pak cartridges.

Adac Corporation

1750
2 Ports Supported • RS232 Supported • 19.2K Max. Baud Rate
Provides dual asynchronous serial line communication with on-board PROM capability. Plugs directly into the Q-bus backplane.

Black Box Corporation

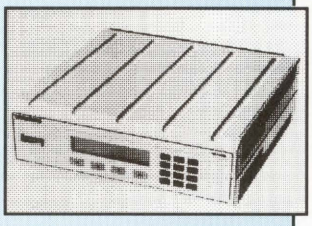
NTS100
8 Ports Supported • RS232 Supported • 38.4K Max. Baud Rate

CMC

TransServer
10 Ports Supported • RS232 Supported • Internal Modem Control • Flow Control • 1 y Warranty
The TransServer, a TCP/IP terminal server, connects up to 10 asynchronous devices to an Ethernet network, implements industry-standard protocols. Available as download or standalone.

Datability Software Systems Inc.

DATABILITY
THE POWER TO CHANGE℠



VCP-1000
128 Ports Supported • RS232/423 Supported • Internal Modem Control • External Modem Control • Protocol • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty
■ The VISTA VCP-1000 is a revolutionary, dual-protocol LAT and TCP/IP terminal server that simultaneously can function as a terminal server, X.25 WAN-to-LAN gateway, network-based modem pool, and protocol translator. Simply slide in any combination of the following VISTA line cards:
• X.25 PAD Card—merging a full-function X.25 PAD with a LAN
• Modem Line Card—packing eight Hayes-compatible modems directly inside the server
• 8-16-or 32-port Line Cards, giving you up to 128 ports
Datability provides all this high-performance capability, functionality, and expandability at per port costs that are among the lowest in the industry.

Computer Products Inc.

GT360
1 y Warranty
Parallel interface for general purpose input and output TTL compatible data lines. Features a four-level interrupt structure.

GT362
16 Ports Supported • 1 y Warranty
Parallel interface that features four handshake signals per port, 16 programmable vectors, a four-level interrupt structure, and data ports that support byte write accesses.

GT370
16 Ports Supported • 1 y Warranty
DMA interface equipped with ports that contain various handshaking and control signals to enable one GT370 board to transceive data with another system or device.

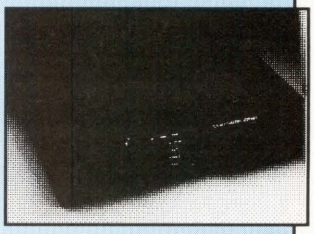
Emulex Corporation

Performance 4000
32 Ports Supported • RS232/423/P Supported • Internal Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty
The Performance 4000 is fully compatible with DEC's LAT and plugs directly into the Ethernet Network without special hardware or software.

Equinox Systems

DS-15
936 Ports Supported • RS232/423 Supported • 19.2K Max. Baud Rate • 3 y Warranty
The DS-15 with integral Ethernet Gateway is a fault-tolerant LAT terminal server for up to 936 connections while providing connectivity for non-LAT hosts and devices.

EQUINOX SYSTEMS
EQUINOX



ELS-48
48 Ports Supported • RS232/423 Supported • 38.4K Max. Baud Rate • 3 y Warranty
■ The Equinox ELS-48 is a high performance LAT-compatible terminal server that supports up to 48 ports in a compact space saving unit. Thanks to Equinox custom VLSI design, the ELS-48 supports 48 ports at data rates up to 38.4 Kbps, with throughput exceeding 240,000 characters per second. An extended command set provides DECserver compatibility with reduced keystrokes, simplified configuration, and enhanced diagnostics. The unit is self booting—no down loading of LAT is required. Pricing: 24 ports from $4400, 48 ports from $6500, with option of standard or thinwire Ethernet interfaces. Covered by a full 3 year warranty.

DS-5
192 Ports Supported • RS 232/425 Supported • 19.2K Max. Baud Rate • 3 y Warranty
The DS-5 with integral Ethernet Gateway is a functional LAT terminal server for up to 192 connections while providing connectivity for non-LAT hosts and devices.

Lantronix

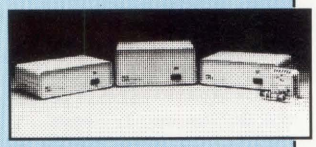
EPS-4
5 Ports Supported • RJ12 Supported • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 2 y Warranty

ETS-16
16 Ports Supported • RJ12 Supported • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 2 y Warranty

ETS-8
8 Ports Supported • MMJ/RJ12 Supported • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 2 y Warranty
Lantronix offers low-end "commodity"

products for Ethernet connectivity in DEC and UNIX markets. Each server offers solutions in 4-, 8-, 16-line package.

LANTRONIX



■ The ETS-8, ETS-16 and EPS-4 are low-cost terminal servers that connect personal computers, terminals, modems, and printers to both LAT and TCP/IP Ethernet networks. Ethernet users now can access DEC and UNIX hosts from the same terminal or print DEC and UNIX files on the same printer. In addition, DEC hosts can access UNIX hosts, and vice versa. Utilizing the latest in gate-array and surface mount technology, Lantronix terminal servers are much smaller, more reliable and less costly than typical units. Also available are a line of transceivers (thin, thick and twisted-pair) and Ethernet Multiport Repeaters (EMR-1, EMR-4 and EMR-8).

MICOM COMMUNICATIONS CORPORATION

0404
128 Ports Supported • RS232 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty
A terminal server gateway product for users requiring interconnectivity to Ethernet LANs through Data PBX low-cost connectivity.

SIGMA INFORMATION SYSTEMS

SCD-DLV11E
1 Port Supported • RS232/V.24 Supported • Internal Modem Control • 19.2K Max. Baud Rate • Flow Control • 1 y Warranty
Provides switch-selectable device address and vector interrupt, word format, and baud rates.

SCD-DLV11J
4 Ports Supported • RS232 Supported • Internal Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty
Provides switch-selectable device address and vector interrupt, word format, and baud rates. Supports multiple data protocols.

SCD-DLV11J/8S
8 Ports Supported • RS232 Supported • Internal Modem Control • 19.2K Max. Baud Rate • Flow Control • 1 y Warranty
Provides switch-selectable device address and vector interrupt, word format, and baud rates.

SYSTEMS CONCEPTS INC.

RX-30
16 Ports Supported • RS232 Supported • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty
The RX-30 allows remote terminals to appear to be directly connected to host CPU, through an Ethernet network. The TM-30 card incorporates 300/1200/2400 baud modems.

TX-30
128 Ports Supported • RS232 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 1 y Warranty
The TX-30 allows remote terminals to appear to be directly connected to host CPU, through Ethernet network. The TM-30 card incorporates 300/1200/2400 baud modems into TX-30.

XYPLEX INC.

MAX 100L
16 Ports Supported • RS423/RS237 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty
Used to connect terminals, printers, modems and PCs (in terminal emulation mode) to any host supporting the LAT protocol. Field upgradeable to provide concurrent TCP/IP, LAT support.

MAX-1100L
16 Ports Supported • RS423/RS232 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty
The MAXserver 1100L is used to connect terminals, printers, modems, PCs (in terminal emulation mode) to any host supporting the LAT protocol.

MAX-1500
16 Ports Supported • RS423/RS232 Supported • Internal Modem Control • External Modem Control • 38.4 Max. Baud Rate • Flow Control • 3 y Warranty
Used to connect terminals, printers, modems and PCs (in terminal emulation mode) to any host supporting LAT or TCP/IP communication protocols.

Max-1800
16 Ports Supported • RS423/RS232 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty
Used to connect terminals, printers, modems and PCs (in terminal emulation mode) to any host supporting the LAT and TCP/IP communications protocols.

MX-ASYNC-J8
8 Ports Supported • RS232/423 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate
Designed for Xyplex's MAX5000 communication server. Compatible with XYPLEX System Software version 2.1E3 or later. Connects asynchronous terminals, PCs, printers, and modems to the MAX5000.

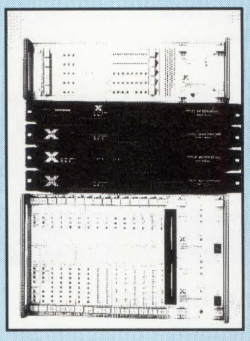
MX-0TSERV-J16
16 Ports Supported • RS232/423 Supported • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty

MX-SERV-J8
8 Ports Supported • RS232/RS425 Supported • Internal Modem Control • External Modem Control • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty
Designed for use with any of Xyplex's MAXserver communication server chassis (5500, 5000, 4500). Support DEC's LAT protocol and TCP/IP Telnet protocol suite for terminal/host communication.

MX-TSRVC-J16
16 Ports Supported • RS232/423 Supported • 38.4K Max. Baud Rate • Flow Control • 3 y Warranty
Designed for use with any of Xyplex's MAXserver communication server chassis (5500, 5000, 4500). Supports DEC's LAT protocol. Connects terminals, printers, modems or PCs in terminal emulation to the network.

XYPLEX INC.

XYPLEX



■ The MAXserver family of communication servers provide flexibility, quality, and functionality in multi-protocol Ethernet connections for terminals, PCs, workstations, and printers. The MAXserver 1000 series of standalone terminal servers are a cost-effective way to connect small groups of terminals to LAT and/or TCP/IP hosts. The MAXserver 4500, 5000, and 5500 communication servers are chassis-based, concurrent LAT-TCP/IP units. Options for the chassis-based servers include eight and 16-port terminal server cards, network printer cards, a remote bridge card, the MAXman network management card, redundant LAN connections, and more. Xyplex hardware products are covered by our standard three year warranty.

MX-TSRVM-58
8 Ports Supported • RS423/232 Supported • Internal Modem Control • External Modem Control • 38.4 Max. Baud Rate • Flow Control • 3 y Warranty
Designed for use with any of Xyplex's MAXerver communication server chassis (5500, 5000, 4500). Supports DEC's LAT protocol and TCP/IP Telnet protocol suite for terminal/host communication.

X.25 PAD PROCESSORS

CASE/DATATEL

PSX8500
Activity is monitored; suspect conditions are alarmed. The operator can select from an array of diagnostic routines. Price includes the PSX8500 PSE Basic Unit, 115V.

MICOM COMMUNICATIONS CORPORATION

MB2
X.25 Firmware • 16 Devices Supported • 19.2K Max. Baud Rate • Processor Board • Async Transmission • 3 y Warranty
Allows asynchronous devices to be connected to X.25 networks. Offers local switching to offload the network and supports local or remote network management.

MB3
X.25 Firmware • 22 Devices Supported • 19.2K Max. Baud Rate • Processor Board • Async Transmission • 3 y Warranty
Allows asynchronous devices to be connected to X.25 networks. Supports network security, offers local switching to offload the network, and supports local remote network management.

MICROTRONIX DATACOM LTD.

CSI-X.25 Async PAD
X.25 Firmware • 64K Max. Baud Rate • Async Transmission • 1 y Warranty
Converts asynchronous data from terminal equipment to the CCITT X.25 protocol. Switching may be performed on the two links.

CSI-X.25 MicroPAD
X.25 Firmware • 64K Max. Baud Rate • Processor Board • Distribution Panel • Async Transmission • 1 y Warranty
Converts asynchronous and/or synchronous data from terminal equipment to the CCITT X.25 protocol. Ideally suited for the branch office application.

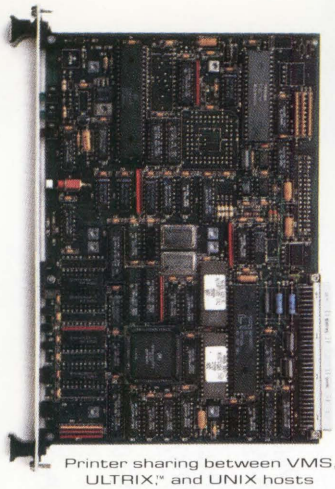
CSI-X.25 Switch
X.25 Firmware • 64K Max. Baud Rate • Processor Board • Distribution Panel • Async Transmission • 1 y Warranty
Provides for routing between X.25 accesses at speeds in excess of 100 packets per second.

CSI-X.25SNA/SDLC PAD
X.25 Firmware • 64K Max. Baud Rate • Processor Board • Distribution Panel • Sync Transmission • 1 y Warranty
Transports SNA data between IBM controllers and hosts through public or private X.25 network. Ports can be dynamically configured to be SNA/SDLC or async PAD port.

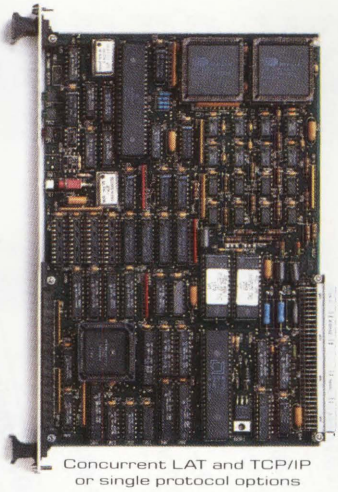
N.E.T. ACCESS PRODUCTS DIVISION

PacketPlus/50
X.25 Firmware • 16 Devices Supported • 64K Max. Baud Rate • Processor Board • Distribution Panel • X.25 Transmission • 1 y Warranty
PacketPlus/50 is a high-performance X.25 packet switch and concentrator designed for wide area networks. Based on worldwide CCITT X.25 standards, supports a variety of applications.

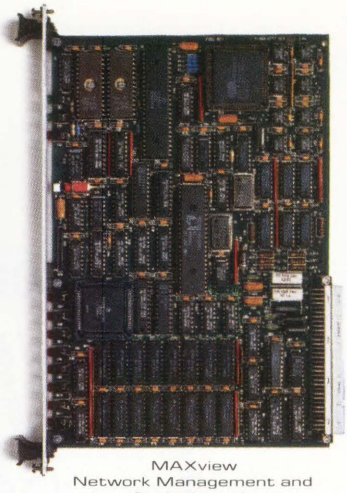
TX-700
X.25 Firmware • 32 Devices Supported • 64K Max. Baud Rate • Processor Board • Async Transmission • 1 y Warranty
TX-700 concentrates asynchronous data traffic and converts it to X.25 for single connection to X.25 host interfaces and public or private X.25 Packet Data Networks.



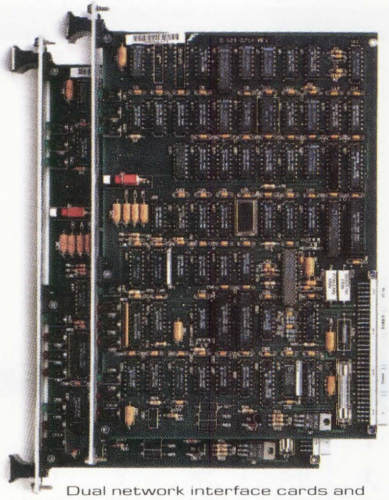
Printer sharing between VMS, ULTRIX,™ and UNIX hosts



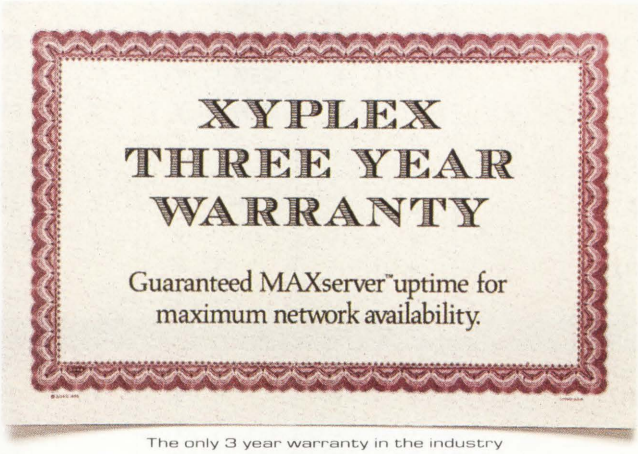
Concurrent LAT and TCP/IP or single protocol options



MAXview Network Management and Analysis tools



Dual network interface cards and power supplies provide fail over redundancy



The only 3 year warranty in the industry

TRY TO FIND THESE CARDS IN A TRADITIONAL DEC.

In an attempt to find a terminal server that provides a winning hand of benefits—high reliability, high flexibility, and fault tolerance—network managers like yourself have traditionally gone to DEC.™ Understandable. However, if you come to Xyplex instead, we'll give you a much better deal.

First of all, you get your choice of terminal server card options—8 or 16 ports with concurrent LAT™ and TCP/IP protocols. Plus a choice of network printer cards with either a Centronics® or Dataproducts® printer interface. All cards feature MAXserver's® unique "HOT SWAP" capability to keep your network up and running while you add or replace modules.

Secondly, you get unprecedented fault tolerance with dual LAN interface cards for back-up network connections. Plus a redundant power supply with automatic failover. And with MAXview™ Network Management and Analysis Tools you can reconfigure nodes or monitor and diagnose hardware or software problems faster than ever before.

Best of all, you get the industry's only 3 year warranty.

So, next time you're in the market for terminal servers don't start with the DEC stacked against you. Come to Xyplex first.

For more information call

1-800-338-5316

Or write, Xyplex, Inc., 330 Codman Hill Road, Boxborough, MA 01719

Name _____

Title _____

Company Name _____

Address _____

City _____ State ____ Zip _____

XYPLEX

DISK STORAGE

DISK CONTROLLERS

Model	# of Supported Drives	Data Cache	Storage Capacity (Bytes)	Bad Block Replacement	On-Board Formatting	Device Interface	Overlapping Seeks	On-Board Diagnostics	Host Interface	Data Transfer Rate (bps)	Access Time (ms)	MSCP Emulation	Price
Andromeda Systems Inc. 818 709-7600													
ESDC-A	7	Y	1M	Y	Y	ESDI	Y	Y	Q-bus	4M	1.58	Y	
ESDC-B	7	Y	.5M	Y	Y	ESDI	Y	Y	Q-bus	4M	1.58	Y	
ESDC-C	7	Y	.125M	Y	Y	ESDI	Y	Y	Q-bus	4M	1.58	Y	
ESDC-D	7	Y	.125M	Y	Y	ESDI	Y	Y	Q-bus	4M		Y	
RDC11	4			Y		ST506			Q-bus	276K		Y	
SDC11	1			Y		ST506			Q-bus	276K			
SMDC	2	Y	1M	Y	Y	SMD	Y	Y	Q-bus	4M	1.58	Y	
UDC11	4			Y		ST506			Q-bus	276K		Y	
UDC11X	4			Y		ST506			Q-bus	276K		Y	
WDC11	4			Y		ST506			Q-bus	276K			
Aviv Corporation 617 933-1165													
DFC 904	4	Y		Y	Y	ESDI	Y	Y	Q-bus	3M	2	Y	
DFC 917	4	Y		Y	Y	SMD	Y	Y	Q-bus	3M	2	Y	$1,850
QSA 1	7	Y		Y	Y	SCSI	Y	Y	Q-bus	2M	2	Y	
QSA1	7	Y		Y	Y	SCSI	Y	Y	Q-bus	2M	2	Y	$1,650
CMD Technology Inc. 714 549-4422													
CQD-300	2		170M	Y	Y	EDSI	Y	Y	Q-bus	2.4M	17	Y	$1,250
CMS Enhancements Inc. 714 259-9555													
CQE-30	2		2.8G	Y	Y	ESDI	Y	Y	Q-bus	3.2M		Y	$1,250
CQS-20	7		4M	Y	Y	SCSI	Y	Y	Q-bus	2M		Y	$1,250
CUS-70	7		2.8G	Y	Y	SCSI	Y	Y	UNIBUS	2M		Y	$1,180
Emulex Corporation 714 662-5600													
DA01	4					SDI				3.125M			$6,950
QD21	1-2			Y	Y	ESDI	Y	Y	Q-bus	2M		Y	$1,495
QD24E	1-4			Y	Y	ESDI	Y	Y	Q-bus	15MHz		Y	$1,795
QD25/QD25-III	4	Y		Y	Y	ESDI	Y	Y	Q-bus	3.0M		Y	$3,095
QD33	2			Y	Y	SMD-E	Y	Y	Q-bus	3.0M		Y	$2,200
QD34	1-4			Y	Y	SMD-E	Y	Y	Q-bus	3M		Y	$2,495
QD35/QD35-III	4	Y		Y	Y	SMD-E	Y	Y	Q-bus	3.0M		Y	$2,995+
SC7003	4-8			Y		SMD	Y		U/B	3M			$8,950
SC72/BX	4		80M	Y		SMD	Y		PDP-11	1.8M			$7,950
UD23	4			Y	Y	ESDI	Y	Y	UNIBUS	2M		Y	$2,800
UD33	4			Y	Y	SMD-E	Y	Y	UNIBUS	3M		Y	$3,500
VMASTER 780	8					SMD			UNIBUS				$8,550
VMASTER 783	4								UNIBUS				$13,000+
KOM Inc. 613 238-7766													
Optifile II			1T			SCSI			U/Q	5M			$12,000
Optifile III			800M			SCSI			U/Q	5M			
OPTIFILE/UNIX			800M			SCSI			U/Q	5M			
OptiServer			1T			SCSI			U/Q	5M			$12,000
Lago Systems 408 374-1818													
LS/100	16		8.4M	Y		ESDI	Y	Y	SDI	2.8M		Y	$15,000+

DISK CONTROLLERS

Model	# of Supported Drives	Data Cache	Storage Capacity (Bytes)	Bad Block Replacement	On-Board Formatting	Device Interface	Overlapping Seeks	On-Board Diagnostics	Host Interface	Data Transfer Rate (bps)	Access Time (ms)	MSCP Emulation	Price
Lago Systems 408 374-1818 (continued)													
SEE LS/100	4		2.2G			ESDI						Y	$3,000
Memory Sciences Corporation 703 361-9745													
FASTDISK	64		49G	Y	Y		Y	Y	U/Q/B	40M		Y	$12,500
Micro Technology Inc. 714 693-2345													
MQD-19	4		2480M	Y	Y	ESDI	Y	Y	Q-bus	15MHz		Y	$1,850
MQDX4	4		800M	Y	Y	ESDI	Y	Y	Q-bus	3M		Y	$1,850
Sigma Information Systems 714 630-6553													
SDC-RQD11-D	2		290M	Y	Y	ST506	Y	Y	Q-bus	625K	14	Y	$825
SDC-RQD11-DESDI	4		3.04G	Y	Y	ESDI	Y	Y	Q-bus	15M	14	Y	$915
SDC-RQD11-EC	4		3.04G	Y	Y	ESDI	Y	Y	Q-bus	625K	2.3	Y	$1,597
SDC-RQD11-ECPlus	4	Y		Y		SCSI			Q-bus			Y	$1,923
SDC-RQD11-RLL	2			Y	Y	ST412	Y	Y	Q-bus	7.5M	18	Y	$744
SDC-RQD11-SC	2		4.86	Y	Y	SMD	Y	Y	Q-bus	3M	2	Y	$1,597
SDC-RQD11-SCH	2		2.46	Y	Y	SMD	Y	Y	Q-bus	3.1M		Y	$1,942
SDC-RQD11-SCSI	7			Y	Y	SCSI	Y	Y	Q-bus	15M	18	Y	$1,425
ST-412/RLL	2			Y			Y						$744
Webster Computer Corporation 408 954-8054													
SRQD11-B	2		566M	Y	Y	ST506		Y	Q-bus	260K	3	Y	
WQESD	4		3G	Y	Y	ESDI	Y	Y	Q-bus	3M	2	Y	
WQSMD	2	Y	3G	Y	Y	SMD	Y	Y	Q-bus	3M	2	Y	
WUESD	4	Y	3G	Y	Y	ESDI	Y	Y	UNIBUS	3M	2	Y	$2,800
WUSMD	4	Y	4G	Y	Y	SMD	Y	Y	UNIBUS	3M	2	Y	$3,020

DISK DRIVES

Model	Drive Size	Fixed/ Removable	Drive Interface	Storage Capacity (Bytes)	Access Time (ms)	Average Seek Time (ms)	Average Latency (ms)	Data Transfer Rate (bps)	MTBF (hrs)	# of Cylinders	Price
Alpha Data Inc. 818 882-6500											
Atlas 520		F	ESMD	520M	18	18	8.3	1.8M	20K	225	
Atlas 520-8R		F	SMD	520M	18	18	8.3	16M	35K	231	
American Digital Systems 508 443-7711											
Series 5	5.25"	F/R	ESDI	152M	6.39	16	8.33	10M	40K		
Series 8	8"	F	SMD	721M	6.39	16	8.33	19.4M	40K		
Computer Systems Technology 714 458-8567											
CST1200-DSC	5.25"	F	SCSI	1200M		16.5	8.33	2.625M	40K		$4,550
CST123-DSC	3.5"	F	SCSI	100M		19		2M	50K		$895
CST232-DSC	3.25"	F	SCSI	200M		16	8.61	1.5M	50K		$1,275
CST300-DSC	3.5"	F	SCSI	251M	20		8.3	1.77M	40K	1076	$1,850
CST385H-DSC	5.25"	F	SCSI	385M		10.7		15.5M	40K		$2,365
CST702-SC	5.25"	F	SCSI	702M		16	8.3	1.8M	40K		$2,595
CST780-SC	5.25"	F	SCSI	778M		16	8.3	1.87M	30K	1658	$2,695
Exsys Storage Systems 408 292-0343											
RACE-78U	5.25"	F	ESDI	585M	24.3	<16	8.33	2.5M	100K	1632	$8,775

DISK DRIVES

Model	Drive Size	Fixed/ Removable	Drive Interface	Storage Capacity (Bytes)	Access Time (ms)	Average Seek Time (ms)	Average Latency (ms)	Data Transfer Rate (bps)	MTBF (hrs)	# of Cylinders	Price
Fujitsu America Inc. 408 432-1300											
M2246E/S	5.25"	F	ESDI	389M	18	8.3	1.25	30K	1243		
M2249E/S	5.25"	F	ESDI/SCSI	389M	18	8.3	1.25	30K	1,243		
M2263E/S	5.25"	F	ESDI/SCSI	778M	16	8.3	1.875	200K	1,658		
M2333K/KS	8"	F	HSMD/SCSI	337M	20	8.3	2.458	20K	823		
M2333P	8"	F	IPI-2	1.06	16	8.3	3.0	20K	823		
M2344K/KS	8"	F	HSMD/SCSI	690M	16	8.3	2.458	>35K	624		
M2350	10.5"	F	MSMD	474M	18	7.58	9.295	35K	842		
M2360	10.5"	F	HSMD	689M	18	8.17	12.534	35K	842		
M2372K/KS	8"	F	HSMD/SCSI	823M	16	8.3	2.458	35K	745		
M2380A	8"	F	ESMD	1G	16	8.25	18.444	30K	745		
M2382K/KS	8"	F	ESMD/SCSI	1G	16	8.3	3	35K	745		
M2382P	8"	F	IPI-2	1G	16	8.3	3	35K	745		
M2392K	8"	F	SMD	2.02G	12	8.3	3	50K	1916		
Lago Systems 408 374-1818											
LS/70	5.25"		ESDI	614M	16	8.3	Y				$7,900
Maxtor Corporation 408 432-1700											
XT-1120R	5.25"	F	ST506/RLL	128M	27	8.33	7.5	150K	1024		
XT-4170S	5.25"	F	SCSI	179.41M	14	8.33	10	150K	1224		
XT-4380E	5.25"	F	ESDI	384.46M	16	8.33	10	150K	1224		
XT-4380S	5.25"	F	SCSI	384.46M	16	8.33	10	150K	1224		
XT-8380E	5.25"	F	ESDI	360M	14.5	8.33	15	60K	1632		
XT-8380S	5.25"	F	SCSI	410.09M	14.5	8.33	15	150K	1632		
XT-8760E	5.25"	F	ESDI	768.92M	16.5	8.33	15	60K	1632		
XT-8760S	5.25"	F	SCSI	768.92M	16.5	8.33	15	150K	1632		
Miltope Corporation 516 420-0200											
RDS-1501	5.25"	R	ESDI/SCSI	18.5M	40		8.33	5M			$21,850
RDS-1502	5.25"	R	ESDI/SCSI	37M	40		8.33	5M			$37,900
RDS-1721	5.25"	R	ESDI/SCSI	160.8M	40		8.33	10M			$29,325
RDS-1722	5.25"	R	ESDI/SCSI	344M	40		8.33	10M			$48,875
RDS-1724	5.25"	R	ESDI/SCSI	642.2M	40		8.33	10M			$87,400
RDS-2342	8"	R	SMD	361.2M	27		9.05	10M			$85,100
RDS-2344	8"	R	SMD	722M	27		9.05	10M			$96,000
RDS-3401	3.5"	R	ESDI/SCSI	30M	40		8.33	5M			$20,900
RDS-3402	3.5"	R	ESDI/SCSI	60M	40		8.33	5M			$23,000
Ricoh Corporation 714 863-0550											
RH-5500	5.25	R	SCSI	50M	25	15.6	9.4	1.2M	720K	1285	$1,100
Seagate Technology Inc. 408 439-2165											
Sabre 9720-1123	5.25"	F	SMD-E	1.1G		16	8.33	2.7M	50K		
Sabre 9720-1230	8"	F	SCSI/IPI-2	1.23M	24.3	16	8.33	3M	30K	1635	
Sabre 9720-850	8"	F	SCSI/SMD	851M	24.3	16	8.33	2.4M	30K	1381	
Swift 94356	3.5"	F	ESDI	177M	24.8	16.5	8.3	10M	30K	1072	$1,295
Wren 9416X	5.25"	F	ESDI/SCSI	155M	24.83	16.5	8.3	5M	30K	969	$1,120
Wren 94191	5.25"	F	SCSI	766M		16	8.33	15M	40K		
Wren 94211	5.25"	F	SCSI/ESDI	91M	26.33	18	8.33	10M	40K	1024	$795
Wren 94216	5.25"	F	SCSI/ESDI	91M	26.33	18	8.33	10M	40K	1024	$795
Wren 94246-182	5.25"	F	ESDI	182M		16	8.33	15M	40K		
Wren 94601-12G	5.25"	F	SCSI	1.2G		16.5	8.33	15M	40K		
Wren IV 94171	5.25"	F	SCSI	376M	24.83	16.5	8.3	9M	40K	1412	$1,645



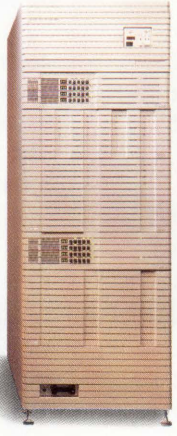
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DISK DRIVES

Model	Drive Size	Fixed/ Removable	Drive Interface	Storage Capacity (Bytes)	Access Time (ms)	Average Seek Time (ms)	Average Latency (ms)	Data Transfer Rate (bps)	MTBF (hrs)	# of Cylinders	Price
Seagate Technology Inc. 408 439-2165 (continued)											
WrenV 94181	5.25"	F	SCSI	702M	24.33	16	8.33	9-15M	30K	1549	$2,195
WrenV 94186-383	5.25"	F	ESDI	383M	27.33	19	8.33	10M	30K	1412	$1,795
WrenV 94186-383H	5.25"	F	ESDI	383M	22.83	14.5	8.33	10M	30K	1224	$1,795
WrenV HH94221-209	5.25"	F	SCSI	209M	26.33	18	8.33	9-15M	40K	1547	$1,225
Summus Computer Systems 713 492-6611											
SUM-11						18		2.4M			
System Industries 408 432-1212											
SI350	3.5"	F	SCSI II	320M	19.5	12.5	695	2.4M	150K		$4,100
SI506	5.25"	F	SDI	557M	24.3	16	8.3	1.875	200K	1632	$12,700
SI512	5.25"	F	SDI	1.114G	24.3	16	8.3	1.875	100K	3264	$17,300
SI56	5.25"	F/R	ESDI	338M	24.3	18	8.33	1.2M	30K	1224	$13,400+
SI57	5.25"	F/R	ESDI	576M	26.3	18	8.3	15	30K	1632	$14,400+
SI83C	8"	F	HSMD	522M	24.3	16	8.3	2.5K	35K	624	$16,500
SI85 C	8"	F/R	SMD	638.5M	34.3	16	8.3	2.5	35K	745	$19,600+
SI95 C	8"	F	SMD	2.3G	24.3	16	8.3	2.75M	40K	1635	$33,400
System Technology Associates 800 553-5124											
RA 8-600	5.25"	F	SDI	585M	24.3	16	8.3	2.5M	50K	1361	$8,575
RA 8-1200	5.25"	F	SDI	1.2G	24.3	16	8.3	2.5M	50K	2722	$13,250
RA 8-2000	5.25"	F	SDI	2G	24.3	16	8	2.5M	50K	4663	$21,990
RA 8L-600	5.25"	R	SDI	594M	120	85	12.5	680K	30K	1632	$10,000
RF8-1000	5.25"	F	DSSI	10.35M	23.3	15	8.3	4M	50K		$16,000
Talaris Systems Inc. 619 587-0787											
9032 Disk	3.5"	F	SCSI	32M	38	38	8.33	1.5M	30K	615	$950
Tech Labs 201 944-2221											
WL-84-D	8"	F	SMD	84M		20	8.3	1.229M	20K	589	$4,514
Toshiba America 800 456-DISK											
MK-134FA	3.5"	F	ST506/412	53.4M	33.33	25	8.33	5M	30K		$410
MK-156FA	5.25"	F	ESDI	172.9M	31.33	23	8.33	10M	30K		$1,050
MK-156FB	5.25"	F	SCSI	172.9M	31.33	23	8.33	10M	30K		$1,115
MK-230FB	3.5"	F	SCSI		33.33	25	8.33	10M	30K		$675+
MK-350FA	5.25"	F	ESDI	459M	24.33	16	8.33	15	30K		$2,400
MK-350FB	5.25"	F	SCSI	765M	24.33	16	8.33	5	30K		$2,470
MK-388FA	8"	F	HSMD	720.6M	26.3	18	8.3	19.84M	35K		$2,915
ND-04	5.25"		TTL	5M	73	3	100	250K	12K		$55+
ND-08	5.25"		TTL	1.6M	94	3	83.3	500K	12K		$60+
ND-352	3.5"		CMOS/TTL	1M	79		100	250K	12K		$50
ND-356	3.5"		CMOS/TTL	2M	79		100	500K	12K		$70+
XM-3200	5.25"		SCSI	683M	350			153.6K	25K		$800
Total Tec Systems Inc. 201 906-6500											
QDisk-1.2	5.25"	F/R	SCSI	1.20G		15	8.33		100K	1931	
QDisk-385H	5.25"	F/R	SCSI	385MB		10.7		15.5M	100K		
QDisk-766	5.25"	F/R	SCSI	766M		16.5	8.33	15M	100K		
V2500SS	8"	F	SMD/E	2.5G		1.3	8.33	3M	100K	2611	

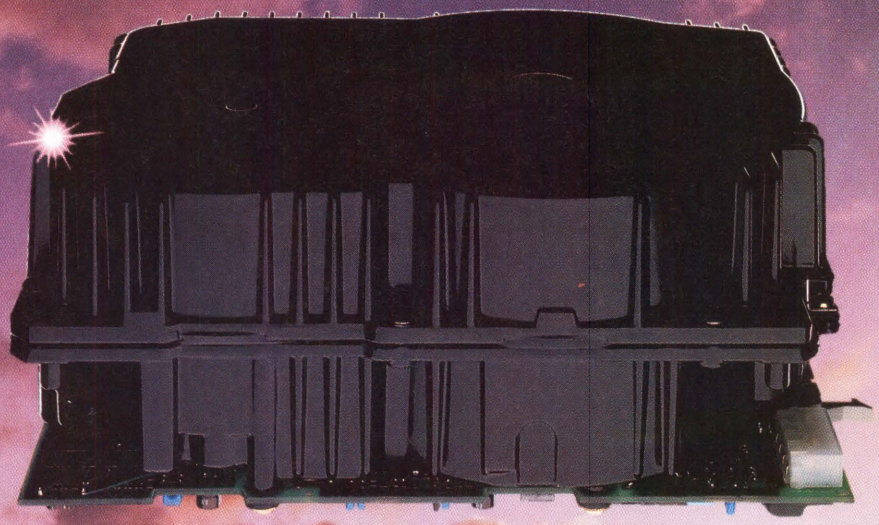
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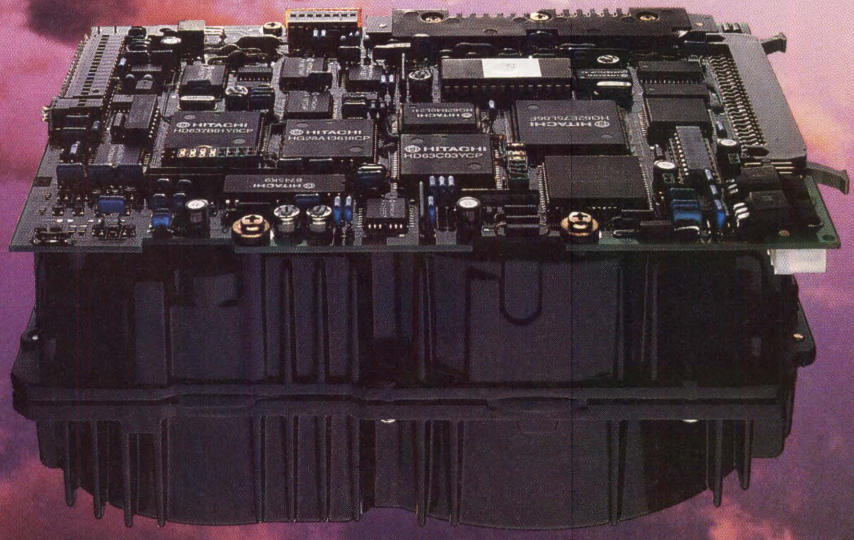
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DISK SUBSYSTEMS

Model	# of Supported Drives	# of Supported Controllers	Storage Capacity (Bytes)	Subsystem Capacity (Bytes)	Drive Size	Device Interface	Average Seek Time (ms)	Peak Transfer Rate (bps)	Host Interface	Average Latency (ms)	MSCP Emulation	Fixed/ Removable	Price
American Data Systems Marketing 617 341-0171													
RSSM600	4		600M	4G	5.25"	SCSI	50M	2.0M	U/Q		Y	R	$5,000
American Digital Systems 508 443-7711													
MasterDisk MxEx51	1-4	1	152M	607M	5.25"	ESDI/SCSI	16	10M	U/Q	8.33	Y	F/R	$6,450+
MasterDisk MxEx52	1-4	1	390M	1.56G	5.25"	ESDI/SCSI	16	10M	U/Q	8.33	Y	F/R	$9,350+
MasterDisk MxEx55	1-4	1	677M	2.708G	5.25"	ESDI/SCSI	16	15M	U/Q	8.33	Y	F/R	$10,700+
MasterDisk MxEx57	1-4	1	1.205G	4.820G	5.25"	ESDI	12	24M	U/Q	5.56	Y	F/R	
MasterDisk MxEx58	1-4	1	1.084G	4.336G	5.25"	ESDI/SCSI	15	23M	U/Q	7.5	Y	F/R	
MasterDisk MxEx59	1-4	1	1.374G	5.496G	5.25"	ESDI/SCSI	15	23M	U/Q	7.5	Y	F/R	
MasterDisk MxEx81	1-4	1	732M	2.93G	8"	SMD	15	20M	U/Q	8.33	Y	F	$16,750+
MasterDisk MxEx82	1-4	1	1055M	4.22G	8"	SMD	15	6.39	U/Q	8.33	Y	F	$19,250+
MasterDisk MxEx83	1-4	1	2144	8.576G	8"	SMD	13	24M	U/Q	8.3	Y	F	
MasterDisk MXO-X51-L		16K	59.4M	36.2G	5.25"	SCSI	95	1.2M	U/Q/B	12.5	Y	F/R	
MasterDisk MXO-X51		16K	594M	4.1G	5.25"	SCSI	95	1.2M	U/Q/B	12.5	Y	F/R	
MasterDisk Optical SDI			594M	1.188G	5.25"	SCSI	95	1.2M	U/Q	12.5	Y	F/R	
MasterDisk SDIMSExxx	1-30	1	866M	26	8"	SDI	15	22M	U/Q/B	8.33	Y	F	$24,640
MasterDisk/SDIMSExxx	1-40	1	575M	23G	5.25"	SDI	15.5	15	U/Q	8.33	Y	F/R	$15,640+
Applied Digital Systems 716 377-7000													
AD1200			1.2G	4.8G	5.25"	SCSI	16	21	U/Q	8.33	Y	F	$4,395
AD1230			1.2G	4.8G	8"	SMD	16	3M	U/Q	8.3	Y	F	$6,495
AD208	7		230	1G	3.5"	SCSI	16	20	Q-bus	8	Y	F	$1,295
AD2500			2.5G	10G	8"	SMD	16	3M	U/Q	8.3	Y	F	$8,995
AD766E			766M	3G	5.25"	ESDI	16	21	U/Q	8.33	Y	F	$2,795
AD766S			766M	3G	5.25"	SCSI	16	21	U/Q	8.33	Y	F	$2,995
Aptec Computer Systems, Inc. 503 626-9000													
DSK-1412	1		1.2G	3.6G			16	12M				F	$118,000
Aquidneck Systems International Inc. 401 295-2691													
OAS 100			1024M										$14,500
Aviv Corporation 617 933-1165													
APEX	4	1		4G	5.25"	ESDI	16	3M	U/Q	8.33	Y	F/R	$5,000+
Data Tower	2	1		670M	5.25"	SCSI	15	4M	SCSI/Q	8.33	Y	F	$5,700+
DFS 1760S	7	1	670M	4.7G	5.25"	SCSI	16	4M	SCSI	8.33	Y	F	$3,200+
DFS 614	4	1	585M	2.34G	5.25"	ESDI	16	2.5M	RA-Comp	8.3	Y	F	$17,100
DFS 614E	4	1	890M	3.5G	5.25"	ESDI	15M	2.75M	BI/HSC	8.3	Y	F	$24,500
DFS 624	4	2	1.17G	2.34G	5.25"	ESDI	16	2.5M	RA-Comp	8.3	Y	F	$22,000
DFS 624E	4	2	1.75G	3.50G	5.25"	ESDI	15M	2.75M	BI/HSC	8.3	Y	F	$29,750
RD 352	7	1	251M	1.75G	3.5"	SCSI	16.8	1.8M	SCSI	8.3	Y	R	$2,700
Summit V	2	1	1050M	2.1	8"	SMD	16	3M	U/Q	8.33	Y	F	$9,500
CMS Enhancements Inc. 714 259-9555													
CMS 1200SI	7		1.2G	1.2G	5.25"	SCSI		1.25M	U/Q	16.5	Y		$9,900
CMS 380EI	2		380M	380M	5.25"	ESDI	16.5	1.25M	U/Q	16.5	Y	F	$4,700
CMS 702SI	7		702M	702M	5.25"	SCSI	16.5	1.25M	U/Q	16.5	Y		$5,900
CMS 760EH	2		760M	760M	5.25"	ESDI	16.5	1.25	Q-bus	18	Y		$5,800
CMS 760EI	2		760M	760M	5.25"	ESDI	16.5	1.80M	Q-bus	14.5	Y	F	$6,260
CMS 760SH	7		760M	760M	5.25"	SCSI		1.25M	U/Q	16.5	Y		$5,800
CMS 766I	7		766M	766M	5.25"	SCSI		1.25M	U/Q	16.5	Y		$6,500
CMS 780ET	2		780M	780M	5.25"	ESDI	16	1.80M	Q-bus	18	Y		$5,800
CMS 780ST	7		780M	780M	5.25"	SCSI		1.25M	U/Q	16.5	Y		$6,030
CMS SDI	4		3G	3M	5.25"	ESDI/SDI			SDI				$40,000

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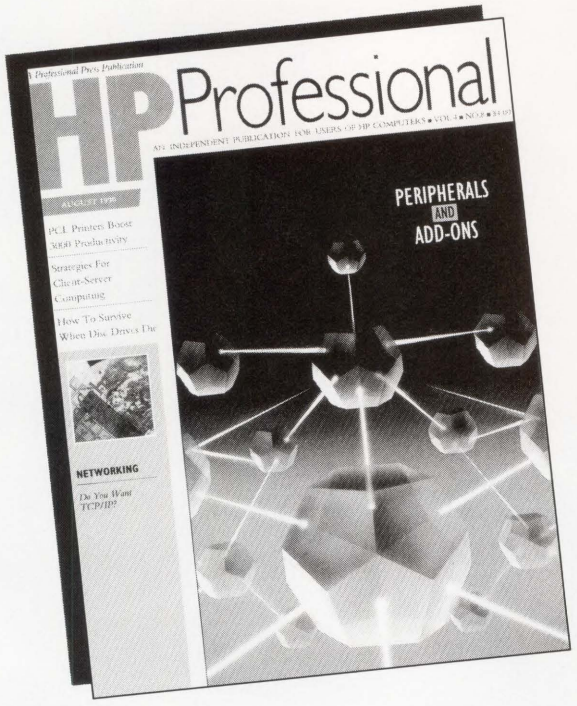
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DISK SUBSYSTEMS

Model	# of Supported Drives	# of Supported Controllers	Storage Capacity (Bytes)	Subsystem Capacity (Bytes)	Drive Size	Device Interface	Average Seek Time (ms)		Host Interface	Average Latency (ms)	MSCP Emulation	Fixed/ Removable	Price
CMS Enhancements Inc. 714 259-9555 (continued)													
CPF-180			155M	2.6G				1.25M	Q-bus	16.5	Y		$4,380
EQR-380			319M	1.3G				1.25M	U/Q	18	Y		
Codar Technology Inc. 303 776-0472													
925RD	4	4	5G	2.6G	5.25"	SCSI/ESDI	16	4M	U/Q	8.33	Y	R	
Controlex Corporation 818 780-8877													
CM331			192M		19"	SMD	10	14M				F	
DILOG 714 937-5700													
DA650 Series	14	2	20.4G	20.4G	5.25"	SDI	16	2.4M	HSC	8.33	Y	F	
DA750 Series	14	2	18.8G	18.8G	5.25"	SDI	16	2.8M	HSC	8.33	Y	F	
DA850 Series	14	2	24.3G	24.3G	5.25"	SDI	16	2.8M	HSC	8.33	Y	F	
FDR2 Series	4	5	2G	3.1G	5.25"	SDI	16	2.4M	U/Q/BI	8.33	Y	F	
FTS2 Series	8	3	673M	5.3M	5.25"	ESDI	15.5	1.25M	U/Q	8.33	Y	F	
FTS3 Series	8	5	1037M	7.2G	5.25"	SCSI	15	23M	U/Q/W	8.33	Y	F	
M552 Series	2	3	673M	1.3G	5.25"	ESDI	16	1.875M	U/Q	8.33	Y	R	
MSS2 Series	2	3	673M	1.3G	5.25"	ESDI	16	1.87M	U/Q	8.33	Y	R	
MSS3 Series	2	5	1037M	2.1G	5.25"	SCSI	15	23M	U/Q/W	8.3	Y	R	
RDA4 Series	2	5	1.7G	3.4G	8"	SDI	15	2.8M	U/Q/BI	8.33	Y	F	
STS2 Series	1	3	378M		5.25"	ESDI	15.5	1.25M	U/Q/W	8.33	Y	F	
STS3 Series	1	5	1037M	1037M	5.25"	SCSI	15	23M	U/Q/W	8.33	Y	F	
Dynatek Automation Systems Inc. 416 636-3000													
HDA13GFT-MU2	2	2	650M	1800M	5.25"	SCSI	16	4M	Q-bus	8.3	Y	F	$6,875
HDA13GFT-MU3	2	2	650M	1300M	5.25"	SCSI	16	4M	Q-bus	8.3	Y	F	$7,121
HDA13GFT-STN	2		650M	1300M	5.25"	SCSI	16	4M		8.3	Y	F	$5,617
HDA13GFT-UBS	2	2	650M	1300M	5.25"	SCSI	16	4M	UNIBUS	8.3	Y	F	$7,278
HDA26GFT-MU2	4	2	650M	2600M	5.25"	SCSI	16	4M	Q-bus	8.3	Y	F	$12,735
HDA26GFT-STN	4		650M	2600M	5.25"	SCSI	16	4M		8.3	Y	F	$11,476
HDA2GFT-MU3	4	2	650M	2600M	5.25"	SCSI	16	4M	Q-bus	8.3	Y	F	$13,011
HDA2GFT-UBS	4	2	650M	2600M	5.25"	SCSI	16	4M	UNIBUS	8.3	Y	F	$13,137
HDA650FT-MU2	1	2	650M	650M	5.25"	SCSI	16	4M	Q-bus	8.3	Y	F	$4,003
HDA650FT-MU3	1	2	650M	650M	5.25"	SCSI	16	4M	Q-bus	8.3	Y	F	$4,240
HDA650FT-STN	1		650M	650M	5.25"	SCSI	16	4M	8.3	8.3	Y	F	$2,770
HDA650FT-UBS	1	2	650M	650M	5.25"	SCSI	16	4M	UNIBUS	8.3	Y	F	$4,399
Emulex Corporation 714 662-5600													
EPS Family	4	2	741M	4.3G	8"	SMD/E	18	3.0M	U/Q	8.33	Y	F	$14,615+
ER2E	2	1	180M	1.5G	5.25"	ESDI	18	24M	U/Q	8.33	Y	R	$10,290
ER2E-III	2	1	760M	1.5G	5.25"	ESDI	18	15M	Q-bus	8.33	Y	R	$6,540+
SDA9X2	4	1	663M	665M	8"	SDI	16	2.48M		8.33	Y	F	$11,940+
SDA9X4	12	3	663M	663M	8"	SDI	16	2.48M		8.33	Y	F	$16,635+
SDA9X6	18	5	663M	663M	8"	SDI	16	2.48M		8.33	Y	F	$17,886+
Epoch Systems Inc. 800 U.S. Epoch													
EPOCH-1 Model 31-B	14	2	30G	760M	5.25"	SCSI	18	1.875M		8.33		R	$155,000
Exsys Storage Systems 408 292-0343													
Laser-RA-1S	1		594	594	5.25"	SCSI	95	1.4M	SDI	8.33		R	$10,000
Laser-RA-2S	2		594M	1188M	5.25"	SCSI	95	1.4M	SDI	833		R	$20,000
Laser-RA-JK			594M	20G	5.25"	SCSI	95	1.4M	SDI	8.33		F	$87,000
Laser-RA-US	4		594	2376	5.25"	SCSI	95	1.4M	SDI	8.33		R	$30,000
RACE 4000	8		380M	2.07G	5.25"	ESDI	16	2.5M	U/Q				
RACE 4200	2		585	1170	5.25"	ESDI	<16	2.5M	SDI	8.38		F	$17,550

DISK SUBSYSTEMS

Model	# of Supported Drives	# of Supported Controllers	Storage Capacity (Bytes)	Subsystem Capacity (Bytes)	Drive Size	Device Interface	Average Seek Time (ms)	Peak Transfer Rate (bps)	Host Interface	Average Latency (ms)	MSCP Emulation	Fixed/ Removable	Price
Exsys Storage Systems 408 292-0343 (continued)													
RACS 4000	8		350M	2.28G	8"	SMD	16	2.8M	U/Q				
RFCS-6101H	1		660M	660M	5.25"	SCSI	16	4M	DSSI	8.33		F	$11,220
RFCS-6101W	1		1G		5.25"	SCSI	16	4M	DSSI	8.33		F	$16,995
RFCS-6104W	4		1G	4G	5.25"	SCSI	16	4M	DSSI	8.33		F	$59,995
RFCS-6107	7		11G	7G	5.25"	SCSI	16	4M	DSSI	16		F	
Integrated Technologies 301 596-5700													
92xxx	7	1	220M	220M	3.5"	SCSI	<25M	2.5M	U/Q	8.6M	Y	F	
IT-9110	1	1	220M	220M	3.5"	SCSI	<25	2.5M	U/Q	8.6M	Y	F	$1,380
IT-9310	1	1	389M	389M	5.25"	SCSI	18M	2.5M	U/Q	8.3M	Y	F	$2,175
IT-9320	1	1	778M	778M	5.25"	SCSI	16M	4M	U/Q	8.3M	Y	F	$2,775
IT-9330	1	1	1.2G	1.2G	5.25"	SCSI	14M	5M	U/Q	8.3M	Y	F	$4,110
IT-9340	1	1	1.2G	2.4G	5.25"	SCSI	14M	5M	U/Q	8.3M	Y	F	$7,800
IT-93XX	7	1	1.2G	3.6G	5.25"	SCSI	14M	5M	U/Q	8.3M	Y	F	
Lago Systems 408 374-1818													
LS/200E	5	2	2.1G	2.1G	5.25"	ESDI	16	19.7M	SDI	8.3	Y	F	$25,000
LS/200M	2	2	850K	1.7G	8"	SMD-E	15	22M	SDI	8.3	Y	F	$20,000+
MDB Systems Inc. 714 998-6900													
Data Shuttle 1000/A	1	1	380M	380M	5.25"	SCSI/ESDI	<16	15M	3100	8.33	Y	R	$4,790
Data Shuttle 1000/B	1	1	760M	760M	5.25"	SCSI/ESDI	16	15M	3100	8.33	Y	R	$6,550
Data Shuttle 1000/C	1	2	1G	1G	5.25"	SCSI	16	2.5M	U/Q	8.33	Y	R	$9,930
Data Shuttle 2000-RA	2	2	380M	760M	5.25"	SDI	<16	15M	U/Q/B	8.33	Y	R	$18,220
Data Shuttle 2000-RA/B	2	2	760M	1.52G	5.25"	SDI	16	20M	U/Q/B	8.33	Y	R	$20,650
Data Shuttle 2000-RF	49	2	1G	49G	5.25"	DSSI	16	2.5M	U/Q	8.33	Y	R	$29,500
Data Shuttle 2000/A	2	1	380M	760M	5.25"	SCSI/ST506	<16	15M	U/Q	8.33	Y	R	$5,915
Data Shuttle 2000/B	2	1	760M		5.25"	SCSI/ESDI	>16	15M	U/Q	8.33	Y	R	$7,715
Data Shuttle 2000/C	2	2	1G	2G	5.25"	SCSI	16	2.5M	U/Q	8.33	Y	R	$11,075
Data Shuttle 3000/A	2		380M	760M	5.25"	SCSI/ESDI	<16	15M	U/Q	8.33	Y	R	$14,053
Data Shuttle 350	1	2	200M	200M	3.5"	SCSI/ESDI	16	2.5M	U/Q	8.33	Y	R	$3,810
Data Shuttle 4000/A	2		380M	760M	5.25"	ESDI	<16	15M	U/Q	8.33	Y	R	$20,938
Data Shuttle 4000/B	2		760M	1.5G	5.25"	ESDI	<16	15M	U/Q	8.33	Y	R	$24,188
Data Shuttle/B	2		760M	1.5G	5.25"	SCSI/ESDI	<16	15M	U/Q	8.33	Y	R	$17,313
Data Shuttle 2000-RA/A	2	2	380M	760M	5.25"	SDI	<16	15M	U/Q/B	8.33	Y	R	$18,220
Micro Technology Inc. 714 693-2345													
6200 Series	4	2	2G	18G	5.25"	SDI	16	2.5M	STI/SDI	8.3	Y	F	
Intercept Removable	14	2	1.16G	8.12G	5.25"	SDI	15	2.5M	U/Q	8.33	Y	R	$38,328
MDI-276	9	2	1.16G	10.44G	5.25"	SDI	15	1.9M	U/Q	8.33	Y	F	$16,000
MDI-276R	7	2	1.16G	8.12G	5.25"	SDI	15	2.5M	U/Q	8.33	Y	R	$38,000
MDI-476	2	2	2.3G	20G	5.25"	SDI	15	2.5M	U/Q	8.33	Y	F	$35,000
MDI-476 PLUS	9	2	2G	18G	5.25"	SDI	15	2.5M	U/Q	8.33	Y	F	$33,000
MDI-6227	2	2	1.16G	1.16G	5.25"	SDI	15	2.5M	U/Q	8.33	Y	F	$40,000
MDI-6247 Plus	2	2	2G	2G	5.25"	SDI	15	2.5M	U/Q	8.33	Y	F	$65,760
MDI-76	9	2	580M	5.2G	5.25"	SDI	15	1.9M	U/Q	8.33	Y	F	$15,800
MDQ-238	2	1	640M	1.28G	5.25"	ESDI	15	1.2M	Q-bus	8.33	Y	F	$12,000
MDQ-238R	2	1	640M	1.28G	5.25"	ESDI	15	1.2M	Q-bus	8.33	Y	R	$19,194
MDQ-276	2	1	1.24G	2.48G	5.25	ESDI	15	2.5M	Q-bus	8.33	Y	R	$15,000
MDQ-276R	2	1	1.24G	2.48G	5.25	ESDI	15	2.5M	Q-bus	8.33	Y	R	$30,235
MDQ-76R	4	1	620G	2.48G	5.25"	ESDI	15	2.5M	Q-bus	8.33	Y	R	$18,970
Mustang	3		1G	2G	5.25	SCSI	15	4.8M	U/Q	8.3	Y	F	

DISK SUBSYSTEMS

Model	# of Supported Drives	# of Supported Controllers	Storage Capacity (Bytes)	Subsystem Capacity (Bytes)	Drive Size	Device Interface	Average Seek Time (ms)	Peak Transfer Rate (bps)	Host Interface	Average Latency (ms)	MSCP Emulation	Fixed/ Removable	Price
Storage Concepts Inc. 714 852-8511													
Concept 21	1-4	1	1.9G		14"			9M	U/Q			F	
Concept 31	1-4	1	2.75G		14"			12.3M	U/Q			F	
Concept 51	2-72	1	56G		5.25"	ESDI		20M	U/Q			R	
MV21	1-4	1	1.9G		5.25"	ESDI		9.3M	Q-bus				
MV31	1-4	1	2.75G		5.25"	ESDI		12.3M	Q-bus				
Summus Computer Systems 713 492-6611													
Ethernet File Server				3G			16		Q-bus				
Summus Computer Systems 713 492-6611 (continued)													
GigaBox-104	4		382M	20G	5.25"		16	3M	U/Q	23	Y	F	
GigaBox-106	4		765M	20G	5.25"		16	3M	U/Q	23	Y	F	
GigaBox-117	8		900M	20G	8"		18	2.4M	U/Q	23	Y	F	
GigaBox-119	4		1.8G	20G	8"		18	2.4M	U/Q	23	Y	F	
GigaTape JBL 125				120G					U/Q/B				$38,000
SUM-43000	7		170M	20G	5.25"	SCSI	23	3M	U/Q	23	Y	F	$1,895
SUM-44100	7		765M	20G	5.25"	SCSI	14.5	1.5M	U/Q	23	Y	F	$6,075
SUM-44600	7		382M	20G	5.25"	SCSI	16	1.5M	U/Q	23	Y	F	$3,335
Systems Concepts Inc. 415 984-1000													
DS-30		4	10G						Clbus				
Tech Labs 201 944-2221													
WL-84	1	2	84M	84M	8"		20		SMD	8.3		F	$5,525
Trimarchi Inc. 814 234-5659													
Data Station 100	1	2	100M	100M	3.50"	SCSI	25	12M		8.33	Y	F	$950
Data Station 1200	1	2	1200M	1200M	5.25"	SCSI	14	12M		8.33	Y	F	$6,995
Data Station 200	1	2	200M	200M	3.50"	SCSI	18	12M		8.33	Y	F	$2,195
Data Station 2400	1	2	2400M	2400M	5.25"	SCSI	14	12M		8.33	Y	F	$13,995
Data Station 300	1	2	300M	300M	5.25"	SCSI	18	12M		8.33	Y	F	$2,900
Data Station 600	1	2	600M	600M	5.25"	SCSI	18	12M		8.33	Y	F	$3,695
DEC RD54-FA	1	7	159M	159M	5.25"	ST506	30	5M	MV2000	8.33	Y	F	$2,875
Q-bus 1200MB	2	7	1200M	1200M	5.25"	SCSI	18	20M	Q-bus	8.33	Y	F	$8,795
Q-bus 2400MB	4	7	2400M	2400M	5.25"	SCSI	18	20M	Q-bus	8.33	Y	F	$15,895
Q-bus 300MB	1	7	300M	300M	5.25"	SCSI	18	20M	Q-bus	8.33	Y	F	$4,390
Q-bus 600MB	1	7	600M	600M	5.25"	SCSI	18	20M	Q-bus	8.33	Y	F	$5,595
UNIBUS 1200 MB	2	7	1200M	1200M	5.25"	SCSI	18	20M	UNIBUS	8.33	Y	F	$9,245
UNIBUS 2400MB	4	7	2400M	2400M	5.25"	SCSI	18	20M	UNIBUS	8.33	Y	F	$16,345
UNIBUS 300MB	1	7	300M	300M	5.25"	SCSI	18	20M	UNIBUS	8.33	Y	F	$4,840
UNIBUS 600MB	1	7	600M	600M	5.25"	SCSI	18	20M	UNIBUS	8.33	Y	F	$6,045
Tristar Technology 201 784-1557													
Orion 1000	2	1	380M	380M	5.25"	ST506	28.9	.9M	U/Q/B	8.3	Y	R	$2,300+
Orion 2000	2	1	1.5G	1.5G	5.25"	ESDI	16.5	1.9M	U/Q/B	8.33	Y	R	$2,300+
Orion 3000	2	1	2.4G	2.4G	5.25"	SCSI	16.5	3M	U/Q	8.33	Y	R	$2,300+
Orion 4000	2	1	1.5G	1.5G	5.25"	SDI	16.5	2.5M	U/Q/B	8.33	Y	R	$8,000+
PS6678-2R	2		1.2G	1.2G	5.25"	ESDI	16	2.5M	SDI	8.33	Y	F	$11,890
PS6922-2R	2		3.4G	3.4G	8"	SMD	16	2.8M	SDI	8.33	Y	F	$32,360
PS6922-6R	6		10.2G	10.2G	8"	SMD	16	2.8M	SDI	8.33	Y	F	$99,080
U. S. Design Corporation 301 577-2880													
Q-Stor Magnetic	1-4	1	175M	175M	5.25"	SCSI	16	1M	U/Q		Y	F/R	$3,250
VIP/F	1-4	1	2.63G	2.63G	19"	SCSI	10	2M	U/Q	8.3	Y	F/R	$4,600
VIP/H	2	2	2.2G	2.2G	19"	SDI	16	2.4M	SDI		Y	F	$18,000

DISK SUBSYSTEMS

Model	# of Supported Drives	# of Supported Controllers	Storage Capacity (Bytes)	Subsystem Capacity (Bytes)	Drive Size	Device Interface	Average Seek Time (ms)	Peak Transfer Rate (bps)	Host Interface	Average Latency (ms)	MSCP Emulation	Fixed/ Removable	Price
Unbound Inc. 800 862-6863													
STOR-E			1.2G	1.2G	5.25"	SCSI			Q-bus		Y	F	$750+
STOR-R			1.2G	1.2G	5.25"	SCSI			UNIBUS		Y	R	$750+
Winchester Systems Inc. 617 933-8500													
FD/W7	4	1	600M	2400M	5.25"	ESDI	3	20M	Q-bus	8.33	Y	F/R	$9,500
HDQ/W3	4	1	300M	1200M	5.25"	ESDI	6	20M	Q-bus	8.33	Y	F/R	$5,250
HDQ/W7	4	1	660M	2640M	5.25"	ESDI	6	20M	Q-bus	8.33	Y	F/R	$7,500
HDU/W3	4	1	300M	1200M	5.25"	ESDI	6	20M	UNIBUS	8.33	Y	F/R	$6,250
Winchester Systems Inc. 617 933-8500 (continued)													
HDU/W7	4	1	660M	2640	5.25	ESDI	6	20M	UNIBUS	8.33	Y	F/R	$8,500
SDI/W14	1	1	1200M	1200M	5.25	ESDI	16	20M		8.33	Y	F/R	$14,250
SDI/W7	1	1	600M	600M	5.25	ESDI	16	20M		8.33	Y	F/R	$8,995
VS/W3	4	1	300M	1200M	5.25	SCSI	16	20M		8.33	Y	F/R	$3,195
VS/W7	4	1	660M	2640M	5.25	SCSI	16	20M		8.33	Y	F/R	$4,995
WCQ/R4	4	1	41.6M	41.6M	5.25	SCSI	30	10M	Q-bus	8.33		R	$4,995
WCQ/R6	4	1	45M	180M	5.25	SCSI	30	10M	Q-bus	8.33	Y	R	$4,995
WCU/R4	4	1	40.6M	40.6M	5.25	SCSI	30	10M	UNIBUS	8.33		R	$5,495
WCU/R6	4	1	45M	180M	525	SCSI	30	10M	UNIBUS	8.33	Y	R	$5,495

OPTICAL DRIVES

Model	Drive Size	Erasable	Storage Capacity (Bytes)	Average Seek Time (ms)	Average Latency (ms)	Device Interface	Data Transfer Rate (bps)	Buffer Size (Bytes)	Host Interface	ECC	MTBF (hrs)	MSCP Emulation	Price
Applied Digital Systems 716 377-7000													
AD682	5.25"		654M	60	16.7	SCSI			U/Q			Y	$3,995
Creo Products Inc. 604 437-6879													
Optical Tape Recorder	12"		1T	28	30	SCSI	3M	192M		Y			$225,000
Information Storage inc. (ISi) 719 579-0460													
525GB	5.25"		1.28G	90	16.7	SCSI	6.5M	1024	U/Q/B	Y	15K		$4,282
525GBX2	5.25"		2.56G	90	16.7	SCSI	6.5M	1024	U/Q	Y	15K		$7,833
Lago Systems 408 374-1818													
LS/90E	5.25"		1.2G	16	8.3	ESDI			SDI			Y	$14,900
Maxtor Corporation 408 432-1700													
RXT-800HS	5.25"		800M	108	60	SCSI	1.25M	256K		Y	30K		$1,300
Tahiti	5.25"	Y	650M/1G	35	13.6	SCSI	6.78M	64K		Y	30K		
Perceptics Corporation 615 966-9200													
LD1200	12"		2G						UNIBUS			Y	
Optimem 1000			2G						UNIBUS			Y	
Optimem 2400			2.4G	150	27	SCSI	625K		UNIBUS	Y	12K		
Summus Computer Systems 713 492-6611													
SO-600	5.25"	Y	600M	90	12.5	SCSI	680K	64K	U/Q	Y	20K	Y	$5,495
U. S. Design Corporation 301 577-2880													
Q-Stor	5.25"		650M	60		SCSI			U/Q	Y	30K	Y	$8,230

Some optical disk drives let you write permanently. Others let you write temporarily. But never before have both technologies been combined in a single multi-functional unit.

Introducing Omnistor,™ a whole new animal from Computer Upgrade Corporation. It's the first optical disk drive to support both WORM (Write Once, Read Many) and rewritable technology.

Think of it as a WORM that also erases. Or think of it as getting two optical disk drives for the price of one. But, whatever you do, think of the countless ways this new development is designed to change your business.

So call Computer Upgrade now for more information on Omnistor.

Or our more traditional lines of multi-host, turnkey stand-alone, and automated library systems. All from Computer Upgrade Corporation, 2910 E. La Palma Avenue, Building A, Anaheim, California, 92807, FAX 714/630-9254.

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800/874-8807

A NEW CONCEPT IN OPTICAL DISK DRIVES.

OPTICAL SUBSYSTEMS

Model	Drive Size	Eraseable	Storage Capacity (Bytes)	Access Time (ms)	Average Latency (ms)	Device Interface	Data Transfer Rate (bps)	Host Interface	MTBF (hrs)	MSCP Emulation	Price
Alphatronix 919 544-0001											
Inspire	5.25"	Y	4550M					U/Q		Y	
Aquidneck Systems International Inc. 401 295-2691											
OAS 150	5.25"	Y	3.25			SCSI	36M	U-Q	10K	Y	$23,300+
OAS 2000			300G			SCSI		UNIBUS			$95,000+
OAS 3420			6.8G			SCSI		UNIBUS			$34,500+
CMS Enhancements Inc. 714 259-9555											
CMOD-600Q			600M		16.7	SCSI		U/Q		Y	
Cygnet Systems Inc. 408 954-1800											
5250 Jukebox	5.25"	Y	20G	4		SCSI			10K		
Series 1800 Jukebox	12"		916G	8		SCSI			5K		
DILOG 714 937-5700											
STSOTT1-1xM0600S	5.25"	Y	594M	107.5	12.5	SCSI	620K	U/Q/W		Y	
Dynatek Automation Systems Inc. 416 636-3000											
DROS600T-MU3	5.25"	Y	1200M	50	16.7	SCSI	1.2M	Q-bus	20K	Y	$9,032
DROS600T-MV2	5.25"	Y	1200M	50	16.7	SCSI	1.2M	Q-bus	20K	Y	$8,789
DROS600T-STN	5.25"	Y	1200M	50	16.7	SCSI	1.2M		20K		$7,542
DROS600T-UBS	5.25"	Y	1200M	50	16.7	SCSI	1.2M	UNIBUS	20K	Y	$9,187
ROS600T-MV2	5.25"	Y	600M	50	16.7	SCSI	1.2M	Q-bus	20K	Y	$5,000
ROS600T-MV3	5.25"	Y	600M	50	16.7	SCSI	1.2M	Q-bus	20K	Y	$5,243
ROS600T-STN	5.25"	Y	600M	50	16.7	SCSI	1.2M		20K		$3,760
ROS600T-UBS	5.25"	Y	600M	50	16.7	SCSI	1.2M	UNIBUS	20K	Y	$5,398
MCS Computer Products Inc. 612 779-0536											
OAS 100/150	5.25"	Y	unlimited	90	30	SCSI	750K	U/Q	40K		$3,795
Perceptics Corporation 615 966-9200											
LaserStar	12"		200G								
LaserStar 2400	12"		338G								
LaserSystem			2G	150	62.5	SCSI			12K	Y	
LaserSystem 525	5.25"			150	62.5	SCSI		U/Q	12K	Y	
Pinnacle Micro Inc. 714 727-3300											
RED-130	3.25"	Y	128M	28	12.5	SCSI	5.8M	U/Q	20K	Y	$2,995
RED-1300	5.25"	Y	1.2	65	12.5	SCSI	7.4M	U/Q	20K	Y	$8,995
RED-650	5.25"	Y	650M	65	12.5	SCSI	7.4M	SCSI	20K	Y	$4,695
RED-6500	5.25"	Y	6.5G	65	12.5	SCSI	7.4M	U/Q	20K	Y	$9,995
REO-650/1300											
Ricoh Corporation 714 863-0550											
RS-8200HH	5.25"		1.6G	168	60	SCSI	1.2M		720K		$5,000
RS9200E II	5.25"	Y	650	66.7	16.7	SCSI	1.4M		720K		$4,100
See First Technology Inc. 408 748-7717											
GIGA-vault 650	5.25"	Y	650M	61	4	SCSI	1.4M	U/Q	30K	Y	
Summus Computer Systems 713 492-6611											
LightDisk-650	5.25"			90		SCSI	620K	U/Q			
Trimarchi, Inc. 814 234-5659											
Ether Optical	5.25"	Y	600M	61	16.6	SCSI	9.6M		20K	Y	$7,000
Laserase for DEC	5.25"	Y	600M	61	16.6	SCSI	9.6M		20K	Y	$5,495
Laserase MV2000	5.25"	Y	600M	61	16.6	SCSI	9.6M		20K	Y	$6,200
Q-bus Laserase	5.25"	Y	600M	61	16.6	SCSI	9.6M	Q-bus	20K	Y	$6,200
UNIBUS Laserase	5.25"	Y	600M	61	16.6	SCSI	9.6M	UNIBUS	20K	Y	$6,400

OPTICAL SUBSYSTEMS

Model	Drive Size	Eraseable	Storage Capacity (Bytes)	Access Time (ms)	Average Latency (ms)	Device Interface	Data Transfer Rate (bps)	Host Interface	MTBF (hrs)	MSCP Emulation	Price
Tristar Technology 201 784-1557											
PE 3660-1D	5.25"	Y	650M	61		SCSI	1.2M	U/Q	20K	Y	$5,914
PE 3660-2D	5.25"	Y	1.3G	61		SCSI	1.2M	U/Q	20K	Y	$11,498
U. S. Design Corporation 301 577-2880											
JVPM	5.25"	Y	25G	35		SCSI		U/Q	30K	Y	$35,000
Q-Stor Optical	5.25"	Y	650M	35		SCSI		U/Q	30K	Y	$17,005
VOS-T	12"		6.4G	130		SCSI		U/Q	20K	Y	$1,995
Unbound Inc. 800 862-6863											
Optistor E & W	5.25"	Y	1.3G			SCSI		UNIBUS			

SOLID STATE STORAGE

Model	# of Supported Drives	Word Size (bit)	Storage Capacity (Bytes)	Data Transfer Rate (bps)	Bus Loading	Disks Emulated	Access Time (ms)	Average Latency (ms)	Supported Hosts	ECC/EDC	MSCP Emulation	Price
Dataram Corporation 609 799-0071												
DRD-202			4-8M			RF-11						$16,400+
DRD-204			2-8M			RJS 03/04						$12,500+
Digital Instruments Corporation 800 222-IMAX												
QMDISK/Internal		16	32M	2M	1AC/1DC	DEC VM:			Q-bus	N/N		$3,130
Imperial Technology Inc. 213 536-0018												
MegaCard-MP			512M	1.2M	One	RA8x	2			Y/Y	Y	
MegaCard-RL			40M	1.5M	One	RL01/02	2			Y/Y		
MegaRam			32M	1.2M						Y/N		
MegaRam-SDI	1	16/32	512M	1.8M	One	RA8x	2			Y/Y	Y	
MegaRam-VX	1	16/32	512M	1.8M	One	RA8x	2		U/Q	Y/Y	Y	
MG-K11	1	16	32M	1.8M	One	RK06/07	2			Y/Y		
MG-L11	1-4	16	32M	1.8M	One	RL01/02	2			Y/Y		
See First Technology Inc. 408 748-7717												
RDC-16			16M	1.09K			4.3	1.6	U/Q	Y/Y	Y	
RDE-32			32M	1.09M	One		4.3	1.6	U/Q	Y/Y	Y	
System Industries 408 432-1212												
MegaRam-SDI	1	16	512M	2.8M	One	RA8x	>1			Y/Y	Y	$19,600
MegaRam-VX	1	16/32	512M	1.8M	One	RA8x	80			Y/Y	Y	$19,600

Disk Controllers

Andromeda Systems Inc.

ESDC-A
7 Drives Supported • Data Cache • 1MByte Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

ESDC-B
7 Drives Supported • Data Cache • .5MByte Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

ESDC-C
7 Drives Supported • Data Cache • .125MByte Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Optional 16MB cache expansion board available; support Winchester and RX50/RX33 floppy drives. Reduce seek time and rotational latency to zero 80 percent of the time.

ESDC-D
7 Drives Supported • Data Cache • .125MByte Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Optional 16MB cache expansion board available; support Winchester drives. Reduce seek time and rotational latency to zero 80 percent of the time. Upgrades to ESDC available.

RDC11
4 Drives Supported • Bad Block Replacement • ST506 Supported • Q-bus Supported • MSCP Emulation
Features Online Configuration Tool which allows user to configure controller to operate any ST506-compatible Winchester or cartridge drives and 5.25" or 8" floppy drives.

SDC11
1 Drive Supported • Bad Block Replacement • ST506 Supported • Q-bus Supported
Features Online Configuration Tool which allows user to configure controller to operate any ST506-compatible Winchester or cartridge drives and 5.25" or 8" floppy drives.

SMDC
2 Drives Supported • Data Cache • 1MByte Storage • Bad Block Replacement • On-Board Formatting • SMD Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Features Online Configuration Tool which allows selection/alteration of caching parameters, drive configuration and formatting with the use of EEPROMs. Upgrades to SMDC are available.

UDC11
4 Drives Supported • Bad Block Replacement • ST506 Supported • Q-bus Supported • MSCP Emulation

UDC11X
4 Drives Supported • Bad Block Replacement • ST506 Supported • Q-bus Supported • MSCP Emulation

WDC11
4 Drives Supported • Bad Block Replacement • ST506 Supported • Q-bus Supported
Feature Online Configuration Tool which allows user to configure controller to operate any ST506-compatible Winchester or cartridge drives and 5.25" or 8" floppy drives.

Aviv Corporation

DFC 904
4 Drives Supported • Data Cache • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Features 5MB cache buffer's-high speed access, four ESDI disk drives and extensive on-board diagnostic utilities.

DFC 917
4 Drives Supported • Data Cache • Bad Block Replacement • On-Board Formatting • SMD Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
1MB cache buffer, extensive on-board diagnostic utilities.

QSA1
7 Drives Supported • Data Cache • Bad Block Replacement • On-Board Formatting • SCSI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Support magnetic disk, 4mm, 8mm, erasable optical, and 9-track SCSI devices, compatible with all DEC operating systems.

CMD Technology Inc.

CQD-300
2 Drives Supported • 170MBytes Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Features hard or soft sectoring.

CMS Enhancements Inc.

CQE-30
2 Drives Supported • 2.8GBytes Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Q-bus to ESDI disk controller with block mode DMA and DMA throttle equipped with menu-driven, firmware-based utility that maintains operations via system console.

CQS-20
7 Drives Supported • 4MBytes Storage • Bad Block Replacement • On-Board Formatting • SCSI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Q-bus to SCSI disk controller with block mode DMA that is equipped with a menu-driven, firmware-based utility that maintains operations via system console.

CUS-70
7 Drives Supported • 2.8GBytes Storage • Bad Block Replacement • On-Board Formatting • SCSI Supported • Overlapping Seeks • On-Board Diagnostics • UNIBUS Supported • MSCP Emulation
UNIBUS to SCSI disk controller that supports 16KB sector buffering, command queuing, standard SCSI bus arbitration, disconnect, reconnect and all SCSI commands.

Emulex Corporation

DA01
4 Drives Supported • ESDI Supported
The DA01 data channel card has all the features and performs all the functions of DEC's HSC5X-BA, yet supports a higher transfer rate.

QD21
1-2 Drives Supported • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
QD21 is a dual-wide disk controller that interfaces ESDI disk drives to the Q-bus. It supports up to two physical (four logical) drives.

QD24E
1-4 Drives Supported • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Designed for MicroVAX 3500/3600. Supports ESDI Media Defect List (MDL) in 256- or 512-byte format. Data transfer commands sent to 15-command buffer, put in cylinder ascending order.

QD25/QD25-III
4 Drives Supported • Data Cache • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
High performance disk controller with 1MB cache memory. Available two models: one for MicroVAX II (QD25), one designed to meet the specifications of MicroVAX 3300-3900.

QD33
2 Drives Supported • Bad Block Replacement • On-Board Formatting • SMD-E Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Dual-wide microprocessor based disk controller.

QD34
1-4 Drives Supported • Bad Block Replacement • On-Board Formatting • SMD-E Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation
Emulates the KDA50 and features a switch-enabled adaptive DMA capability which allows the device to monitor the bus for pending DMA requests.

QD35/QD35-III
4 Drives Supported • Data Cache • Bad Block Replacement • On-Board Formatting • SMD/SMD-E Supported • Overlapping Seeks • On-Board Diagnostics • Q-BUS Supported • MSCP Emulation
High-performance disk controller with 1MB cache memory. Models available for MicroVAX II and MicroVAX 3300 through 3900 product series.

SC7003
4-8 Drives Supported • Bad Block Replacement • SMD Supported • Overlapping Seeks • U/B Supported
The SC7003 also supports CMI and SBI bus interfaces. Also supports SMD-E interfaces.

SC72/BX
4 Drives Supported • 80MBytes Storage • Bad Block Replacement • SMD Supported • Overlapping Seeks • PDP-11 Supported
Emulates the DEC RH70 with a standard RM03 logical drive.

UD23
4 Drives Supported • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • UNIBUS Supported • MSCP Emulation

UD33
4 Drives Supported • Bad Block Replacement • On-Board Formatting • SMD-E Supported • Overlapping Seeks • On-Board Diagnostics • UNIBUS Supported • MSCP Emulation
Self-configurable, or customized drive geometries can be entered into Nonvolatile RAM. Firmware Resident Diagnostics allows configure, format, diagnostic functions to be performed without external media.

VMASTER 780
8 Drives Supported • SMD Supported • UNIBUS Supported
This Vmaster 780 system chassis houses two MASSBUS controllers that interface to the SBI.

VMASTER 783
4 Drives Supported • UNIBUS Supported
This Vmaster 783 system chassis houses one MASSBUS controller that interfaces to the SBI.

KOM Inc.

Optifile II
1TByte Storage • SCSI Supported • U/Q Supported
Optifile II permits VAX/VMS computers to access worm/erasable optical disk drives as standard magnetic disk drives. No changes required to operating system or applications.

Optifile III
800MBytes Storage • SCSI Supported • U/Q Supported
The Optifile III (WORM) is designed to support 5.25", 12", and 14" drives and also includes the Optifile software kit. Also features a dual size card that supports both optical and magnetic drives.

OPTIFILE/UNIX
800MBytes Storage • SCSI Supported • U/Q Supported
Optifile/Unix enables Sun 3, Sparcstation and Sparcserver computers to access Worm/erasable optical disk drives as standard magnetic disk drives. No changes required to operating system.

OptiServer
1TByte Storage • SCSI Supported • U/Q Supported
Optiserver integrates optical disk servers, jukeboxes, with VAX/VMS host computers. Transparently manages the functioning of the jukebox with the host computer. Supports major manufacturer jukeboxes.

Lago Systems

LS/100
16 Drives Supported • 8.4MBytes Storage • Bad Block Replacement • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • SDI Supported • MSCP Emulation
LS/100 is a standalone disk adapter that houses up to four individual adapter boards

that link SMD and ESDI disk drives to DEC DSA disk controllers.

SEE LS/100

4 Drives Supported • 2.2GBytes Storage • ESDI Supported • MSCP Emulation

Used in Lago's disk adapter to interface ESDI disk drives to DEC DSA disk controllers. The LS/100 attached drives are DEC RA compatible.

Memory Sciences Corporation

FASTDISK

64 Drives Supported • 49GBytes Storage • Bad Block Replacement • On-Board Formatting • Overlapping Seeks • On-Board Diagnostics • U/Q/B Supported • MSCP Emulation

FASTDISK is a VMEbus-based computer-controlled storage device that interfaces to the VAX MicroVAX lines, IBM 370 channels, LANs, VME- and MULTIBUS-based computers.

Micro Technology Inc.

MQD-19

4 Drives Supported • 2480MBytes Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

The MQD-19 interacts with the microprocessor in the Intercept removable chassis and the DEC host CPU operating system. Also supports dynamic disk shadowing.

MQDX4

4 Drives Supported • 800MBytes Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

The MQDX4 dual size Q-bus controller includes an on-board monitor and utility program. Sets drive speed and emulation automatically. Supports three different types of drive interfaces.

Sigma Information Systems

SDC-RQD11-D

2 Drives Supported • 290MBytes Storage • Bad Block Replacement • On-Board Formatting • ST506 Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

Features block mode DMA, a front panel/maintenance connector and self-diagnostics.

SDC-RQD11-DESDI

4 Drives Supported • 3.04GBytes Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

Interfaces two ESDI devices to a Q-bus architecture and features block mode DMA, drive shadowing, media defect management, and statistics recording.

SDC-RQD11-EC

4 Drives Supported • 3.04GBytes Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

Features block mode DMA, a front panel/maintenance connector, self-diagnostics, drive shadowing, a 1MB cache memory, and statistics recording.

SDC-RQD11-ECPlus

4 Drives Supported • Data Cache • Bad Block Replacement • Device Interface • Q-bus Supported • MSCP Emulation

Q-bus to ESDI disk caching MSCP controller. Full MVII, III, LSI-11 compatibility with MSCP emulation.

SDC-RQD11-RLL

2 Drives Supported • Bad Block Replacement • On-Board Formatting • ST412 Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

Features block mode DMA, a front panel/maintenance connector, and self-diagnostics.

SDC-RQD11-SC

2 Drives Supported • 4.86 Bytes Storage • Bad Block Replacement • On-Board Formatting • SMD Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

Features block mode DMA and 1MB cache with parity.

SDC-RQD11-SCH

2 Drives Supported • 2.46 Bytes Storage • Bad Block Replacement • On-Board Formatting • SMD Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

Features block mode DMA, 1MB cache with parity, self-diagnostics, drive shadowing, a front panel/maintenance connector, and statistics recording.

SDC-RQD11-SCSI

7 Drives Supported • Bad Block Replacement • On-Board Formatting • SCSI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

Interfaces SCSI devices to a Q-bus architecture and features block mode DMA, drive shadowing, media defect management, and statistics recording.

ST-412/RLL

2 Drives Supported • Bad Block Replacement • Overlapping Seeks

Controller interfaces two ST-412 drives to a MicroVAX or LSI-11 system. Menu-driven, firmware-based utilities permit interactive disk formatting and maintenance operations via the system console.

Webster Computer Corporation

SRQD11-B

2 Drives Supported • 566MBytes Storage • Bad Block Replacement • On-Board Formatting • ST506 Supported • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

The SRQD11-B is an MSCP ST506/ST412 Winchester disk controller that features WOMBAT comprehensive on-board interactive formatting and diagnostic firmware, block mode DMA, command queuing, seek optimization and overlap.

WQESD

4 Drives Supported • 3GBytes Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

The WQESD is a 1MB cached MSCP ESDI Winchester disk controller that features WOMBAT comprehensive on-board interactive formatting and diagnostic firmware, programmable look ahead, drive shadowing and seek optimization.

WQSMD

2 Drives Supported • Data Cache • 3GBytes Storage • Bad Block Replacement • On-Board Formatting • SMD Supported • Overlapping Seeks • On-Board Diagnostics • Q-bus Supported • MSCP Emulation

The WQSMD is a 1MB cached MSCP SMD Winchester disk controller that supports Standard, Modified, Enhanced, and Extended SMD. Features WOMBAT on-board interactive formatting and diagnostics, and programmable look ahead.

WUESD

4 Drives Supported • Data Cache • 3GBytes Storage • Bad Block Replacement • On-Board Formatting • ESDI Supported • Overlapping Seeks • On-Board Diagnostics • UNIBUS Supported • MSCP Emulation

The WUESD is a 1MB cached MSCP ESDI Winchester disk controller that features WOMBAT comprehensive on-board interactive formatting and diagnostic firmware, programmable look ahead, drive shadowing, and seek optimization.

WUSMD

4 Drives Supported • Data Cache • 4GBytes Storage • Bad Block Replacement • On-Board Formatting • SMD Supported • Overlapping Seeks • On-Board Diagnostics • UNIBUS Supported • MSCP Emulation

The WUSMD is a 1MB cached MSCP SMD Winchester disk controller that supports Standard, Modified, Enhanced, and Extended SMD. Features WOMBAT on-board interactive formatting and diagnostics, and programmable look ahead.

Disk Drives

Alpha Data Inc.

Atlas 520

ESMD Supported • 520MBytes Storage

Reads and writes a full 2.25MB data block while all heads remain stationary. Reduces queuing time as the arrival rate exceeds 45 requests per second. Heads are automatically retracted and locked up during power-off modes.

Atlas 520-8R

SMD Supported • 520MBytes Storage

Same as the Atlas 520. This model is a parallel transfer machine that features a proprietary media management system, a 16M bps burst transfer rate, and a 15.2M bps continuous transfer rate.

American Digital Systems

Series 5

ESDI Supported • 152MBytes Storage

Series 8

SMD Supported • 721MBytes Storage

MasterDisk disk drive systems dramatically improve performance on all VAX's and MicroVAXs. For high-speed 8mm tape backup, MasterTape II is available.

Computer Systems Technology

CST1200-DSC

SCSI Supported • 1200MBytes Storage

1.02GB formatted SCSI buffered disk drive in single drive enclosure with power supply and cables.

CST123-DSC

SCSI Supported

100MB 3.5" SCSI disk drive with internal mounting brackets and cable for DECstation and VAXstation 3100.

CST232-DSC

SCSI Supported • 200MBytes Storage

200MB 3 1/2" SCSI disk drive with mounting brackets and cable for DECstation 2100/3100 and VAXstation 3100.

CST300-DSC

SCSI Supported • 251MBytes Storage

251MB 3 1/2" SCSI disk drive with mounting brackets and cable for DECstation 3100 and VAXstation 3100.

CST385H-DSC

SCSI Supported • 385MBytes Storage

327MB formatted SCSI buffered disk drive in a single drive enclosure with power supply and cables.

CST702-SC

SCSI Supported • 702MBytes Storage

579MB formatted SCSI buffered disk drive with single drive enclosure and cables.

CST780-SC

SCSI Supported • 778MBytes Storage

778 MB disk drive in single drive enclosure with power supply and cables.

Exsys Storage Systems

RACE-78U

ESDI Supported • 585M Bytes Storage

778MB SCSI disk drive in single drive enclosure with power supply and cables.

Fujitsu America Inc.

M2246E/S

ESDI Supported • 389MBytes Storage

The storage and track capacities reflect unformatted values. The M2246E/S also supports an embedded SCSI with a transfer rate of 2.5M bps.

M2249E/S

ESDI/SCSI Supported • 389MBytes Storage

The storage and track capacities reflect unformatted values. This model also supports an embedded SCSI with a transfer rate of 4M bps.

M2263E/S

ESDI/SCSI Supported • 778MBytes Storage

M2333K/KS

HSMD/SCSI Supported • 337MBytes Storage

The above data transfer value reflects an asynchronous rate; the synchronous data transfer rate is 2.458M bps.

M2333P

IPI-2 Supported • 1.06Bytes Storage

M2344K/KS

HSMD/SCSI Supported • 690MBytes Storage

The storage and track values reflect unformatted capacities.

M2350

MSMD Supported • 474MBytes Storage

M2360

HSMD Supported • 689MBytes Storage

This model is equipped with 1-, 4-, or 5-channel operation.

M2372K/KS
HSMD/SCSI Supported • 823MBytes Storage

M2380A
ESMD Supported • 1GByte Storage
This model is equipped with 1-, 4-, or 5-channel operation.

M2382K/KS
ESMD/SCSI Supported • 1GByte Storage

M2382P
IPI-2 Supported • 1GByte Storage

M2392K
SMD Supported • 2.02GBytes Storage
The storage and track values reflect unformatted capacities.

Lago Systems

LS/70
ESDI Supported • 614MBytes Storage
Plug compatible with DEC's RA70 drive. LS/70 drives can be connected directly to an SDI port on any DEC MSCP disk controller.

Maxtor Corporation

XT-1120R
ST506/RLL Supported • 128MBytes Storage

XT-4170S
SCSI Supported • 179.41MBytes Storage

XT-4380E
ESDI Supported • 384.46MBytes Storage

XT-4380S
SCSI Supported • 384.46MBytes Storage

XT-8380E
ESDI Supported • 360MBytes Storage

XT-8380S
SCSI Supported • 410.09MBytes Storage

XT-8760E
ESDI Supported • 768.92MBytes Storage

XT-8760S
SCSI Supported • 768.92MBytes Storage
Maxtor Corporation supplies OEM products. Please consult factory for interface information. The XT-4380E and XT-8380E drives support both hard and soft sectoring.

Miltope Corporation

RDS-1501
ESDI/SCSI Supported • 18.5MBytes Storage

RDS-1502
ESDI/SCSI Supported • 37MBytes Storage

RDS-1721
ESDI/SCSI Supported • 160.8MBytes Storage

RDS-1722
ESDI/SCSI Supported • 344MBytes Storage

RDS-1724
ESDI/SCSI Supported • 642.2MBytes Storage

RDS-2342
SMD Supported • 361.2MBytes Storage

RDS-2344
SMD Supported • 722MBytes Storage

RDS-3401
ESDI/SCSI Supported • 30MBytes Storage

RDS-3402
ESDI/SCSI Supported • 60MBytes Storage
These systems are designed for mass data storage and retrieval applications in military computer systems and are MIL qualified.

Ricoh Corporation

RH-5500
SCSI Supported • 50MBytes Storage
The RH-5000 offers Winchester speed with infinite storage capacity. Unlike other removable drives, the cartridge is removable for limitless storage and high security.

Seagate Technology Inc.

Sabre 9720-1123
SMD-E Supported • 1.1GBytes Storage
Features 256KB buffer with read look-ahead capabilities. Employs ZBR variable track capacity recording that permits more capacity, faster average data transfer rates than conventional techniques.

Sabre 9720-1230
SCSI/IPI-2 Supported • 1.23MBytes Storage
Also supports the SMD-E interface.

Sabre 9720-850
SCSI/SMD Supported • 851MBytes Storage

Swift 94356
ESDI Supported • 177MBytes Storage
Please note the quoted price reflects a quantity purchase of 2500 drives or more.

Wren 9416X
ESDI/SCSI Supported • 155MBytes Storage
ESDI supports serial modes and hard and soft sectors. SCSI features 1.25M bps burst transfer rate, is equipped with standard 8KB or optional 32KB data buffer.

Wren 94191
SCSI Supported • 766MBytes Storage
Ideal for multiuser, multitasking systems and local area networks with file server requirements.

Wren 94211
SCSI/ESDI Supported • 91MBytes Storage

Wren 94216
SCSI/ESDI Supported • 91MBytes Storage
SCSI controller has a data buffer for increased performance and burst transfer rate of 1.25M bps. The ESDI supports serial mode and address marks or sector pulse sector modes.

Wren 94246-182
ESDI Supported • 182MBytes Storage
Features a patented, lifetime environmental control system.

Wren 94601-12G
SCSI Supported • 1.2GBytes Storage
Features 256KB buffer with read look-ahead capabilities. Employs ZBR variable track capacity recording that permits more capacity, faster average data transfer rates than conventional techniques.

Wren IV 94171
SCSI Supported • 376MBytes Storage
SCSI interface supports one-to-one interleave, features 48-bit ECC. Asynchronous transfer rate is 1.50M bps. Quoted price reflects quantity purchase of 2500 drives or more.

WrenV 94181
SCSI Supported • 702MBytes Storage
Full-height disk drive. Synchronous data transfer rate is 4M bps, asynchronous rate is 1.25M bps. Quoted price reflects a quantity purchase of 2500 drives or more.

WrenV 94186-383
ESDI Supported • 383MBytes Storage

WrenV 94186-383H
ESDI Supported • 383MBytes Storage
Please note that the quoted storage value reflects an unformatted capacity and the quoted price reflects a quantity purchase of 2500 drives or more.

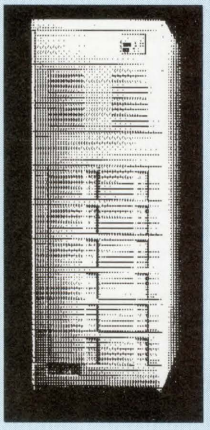
WrenV HH94221-209
SCSI Supported • 209MBytes Storage
Half-height disk drive. Synchronous data transfer rate is 4M bps; asynchronous rate is 1.25M bps. Quoted price reflects a quantity purchase of 2500 drives or more.

System Industries

SI350
SCSI II Supported • 320MBytes Storage
Available in a variety of configurations and cabinetry. Model 1 is available for DEC workstations. Optional SI59 8mm tape backup unit.

System Industries

SYSTEM INDUSTRIES



■ Providing a formatted capacity of 1.748 GB and over 29 GB per cabinet, the SI817C-Series is the ideal solution for VAXcluster system managers looking for high per-spindle capacity coupled with maximum capacity per footprint.
By incorporating high-capacity 8-inch disk assemblies and embedded interface circuitry, the SI817 represents the highest cabinet capacity HSC-compatible solution SI has ever offered. It is also at the forefront for performance and reliability.
The new SI817 connects directly to the SDI ports on your HSC 40/50/70, KDB50, KDA50 or UDA50 controller with modification.

SI506
SDI Supported • 557MBytes Storage
Available in both 60" and 42" high cabinets providing broad flexibility in configuring subsystems.

SI512
SDI Supported • 1.114GBytes Storage
The SI512 offers high-capacity, low-cost 5.25" drives while taking up little valuable computer room floor space.

SI56
ESDI Supported • 338MBytes Storage
The SI56 is available in subsystems utilizing the QDA4E caching controller or the C-Series storage arrays that provide full DSA compatibility.

SI57
ESDI Supported • 576MBytes Storage

SI83C
HSMD Supported • 522MBytes Storage

SI85 C
SMD Supported • 638.5MBytes Storage

SI95 C
SMD Supported • 2.3GBytes Storage
These disk drives are compatible with any VAXcluster, VAX, or MicroVAX system. The SI95C is offered in 2-, 4,- 6-, 8-drive configurations.

System Technology Associates

RA 8-600
SDI Supported • 585MBytes Storage

RA 8-1200
SDI Supported • 1.2GBytes Storage
"RA" compatible; available in tabletop, tower, or rackmount for Q-Bus, Unibus, or HSC attachment.

RA 8-2000
SDI Supported • 2GBytes Storage
RA90 compatible; available in tower, or rackmount for Q-bus, Unibus or HSC attachment.

RA 8L-600
SDI Supported • 594MBytes Storage
Rewriteable removable optical disk; RA90 compatible and available in tabletop or rackmount for Q-Bar, Unibus, or HSC attachment.

RF8-1000
DSSI Supported • 10.35MBytes Storage
Plug compatible with all Q-bus DSSI system, available for internal CPU mount or external tower. Up to 50 GB per DSSI bus.

Talaris Systems Inc.

9032 Disk
SCSI Supported • 32MBytes Storage
A storage disk loaded with Talaris fonts to increase the productivity of the Talaris printstation. This disk extends the resident memory of a printstation.

Tech Labs

WL-84-D
SMD Supported • 84MBytes Storage
The WL-84-D is also available with a dual port option allowing two separate host controllers to share access to the same storage module string.

Toshiba America

MK-134FA
ST506/412 Supported • 53.4MBytes Storage
The MK-13FA 3.5" internal Winchester disk drive offers up to 53.4MB of storage capacity.

MK-156FA
ESDI Supported • 172.9MBytes Storage
The MK-156FA 5.25" internal Winchester disk drives offer up to 172.9MB of storage capacity.

MK-156FB
SCSI Supported • 172.9MBytes Storage
The MK156FB 5.25" internal Winchester disk drives offer up to 172.9MB of storage capacity.

MK-230FB
SCSI Supported
The MK-230 Series of 3.5" fixed Winchester disk drive offer up to 124.8MB of storage.

MK-350FA
ESDI Supported • 459MBytes Storage
MK-350 Series of 5.25" fixed Winchester disk drives offers ESDI interface and up to 765MB of storage capacity.

MK-350FB
SCSI Supported • 765MBytes Storage
MK-350 Series of 5.25" fixed Winchester disk drives offers SCSI interface and up to 765MB of storage capacity.

MK-388FA
HSMD Supported • 720.6MBytes Storage
MK-388FA 8" internal Winchester disk drive offers 720.6MB of storage capacity.

ND-04
TTL Supported • 5MBytes Storage
ND-04 5.25" floppy disk drive offers up to 5MB of storage capacity.

ND-08
TTL Supported • 1.6MBytes Storage
ND-08 5.25" floppy disk drive offers up to 6MB of storage capacity.

ND-352
CMOS/TTL Supported • 1MByte Storage
ND-352 3.5" floppy disk drive offers up to 1MB of storage capacity.

ND-356
CMOS/TTL Supported • 2MBytes Storage
ND-356 3.5" floppy disk drive offers up to 2MB of storage capacity.

XM-3200
SCSI Supported • 683MBytes Storage
XM-3200 Series of CD-ROM disk drives offer the fastest access time available, 350msec.

Total Tec Systems Inc.

QDisk-1.2
SCSI Supported • 1.20GBytes Storage
The Total Tec QDisk-1.2 is a 1.2G SCSI disk subsystem for Q-bus systems and is available in a 5 1/4" rackmount or tabletop enclosure.

QDisk-385H
SCSI Supported • 385MBytes Storage
The Total Tec QDisk-385H is a high speed 385MB SCSI disk subsystem for Q-bus systems and is available in a 5 1/4" rackmount or tabletop enclosure.

QDisk-766
SCSI Supported • 766MBytes Storage
The Total Tec QDisk-766 is a 766MB SCSI disk subsystem in a 5 1/4" rackmount or tabletop enclosure with a Q-bus SCSI disk tape controller.

V2500SS
SMD/E Supported • 2.5GBytes Storage
The Total Tec V2500SS is a high-performance 2.5GB VME bus disk system available in both rackmount tabletop mounting enclosures.

Disk Subsystems

American Data Systems Marketing

RSSM600
4 Drives Supported • 600MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
Removable, rewriteable optical disk subsystem.

American Digital Systems

MasterDisk MxEx51
1-4 Drives Supported • 152MBytes Storage • ESDI/SCSI Supported • U/Q Supported • MSCP Emulation

MasterDisk MxEx52
1-4 Drives Supported • 390MBytes Storage • ESDI/SCSI Supported • U/Q Supported • MSCP Emulation

MasterDisk MxEx55
1-4 Drives Supported • 677MBytes Storage • ESDI/SCSI Supported • U/Q Supported • MSCP Emulation

MasterDisk MxEx57
1-4 Drives Supported • 1.205GBytes Storage • ESDI Supported • U/Q Supported • MSCP Emulation

MasterDisk MxEx58
1-4 Drives Supported • 1.084GBytes Storage • ESDI/SCSI Supported • U/Q Supported • MSCP Emulation

MasterDisk MxEx59
1-4 Drives Supported • 1.374GBytes Storage • ESDI/SCSI Supported • U/Q Supported • MSCP Emulation

MasterDisk MxEx81
1-4 Drives Supported • 732MBytes Storage • SMD Supported • U/Q Supported • MSCP Emulation

MasterDisk MxEx82
1-4 Drives Supported • 1055MBytes Storage • SMD Supported • U/Q Supported • MSCP Emulation
The MasterDisk Series dramatically improves performance on all VAXs and MicroVAXs. For high-speed 8mm tape backup, the MasterTape II is available.

MasterDisk MxEx83
1-4 Drives Supported • 2144Bytes Storage • SMD Supported • U/Q Supported • MSCP Emulation
MasterDisk disk storage systems provide everything you want in a DEC-compatible disk system. Such as high capacity, high reliability and unmatched performance.

MasterDisk MXO-X51-L
59.4MBytes Storage • SCSI Supported • U/Q/B Supported • MSCP Emulation
MasterDisk Optical Data Library is a flexible, high-performance system that is the leader in rewriteable optical disk jukebox systems.

MasterDisk Optical MXO-X51
594MBytes Storage • SCSI Supported • U/Q/B Supported • MSCP Emulation
MasterDisk Optical is a fully rewriteable optical disk storage system providing high capacity, high reliability, and transportability for DEC systems.

MasterDisk Optical SDI
594MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
MasterDisk Optical/SDI is a fully rewriteable optical disk storage system for all VAXs and VAXclusters.

MasterDisk SDIMSExxx
1-30 Drives Supported • 866MBytes Storage • SDI Supported • U/Q/B Supported • MSCP Emulation

MasterDisk/SDIMSExxx
1-40 Drives Supported • 575MBytes Storage • SDI Supported • U/Q Supported • MSCP Emulation
MasterDisk/SDI is an RA compatible disk system for all VAXs and VAXclusters featuring high capacity, superior performance and outstanding reliability in an extremely cost-effective package.

Applied Digital Systems

AD1200
1.2G Bytes Storage • SCSI Supported • Q/U Supported • MSCP Emulation
1.2GB SCSI disk available in DECmount, tabletop, removable, HSC, BI-bus, five-year warranty available. Up to four drives in subsystem.

AD1230
1.2GBytes Storage • SMD Supported • Q/U Supported • MSCP Emulation

AD208
7 Drives Supported • 230Bytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation
3 1/2" 208MB formatted, internal or external to VS3100, DS3100, Sun 4/65.

AD2500
2.5GBytes Storage • SMD Supported • Q/U Supported • MSCP Emulation

AD766E
766MBytes Storage • ESDI Supported • Q/U Supported • MSCP Emulation

AD766S
766MBytes Storage • SCSI Supported • Q/U Supported • MSCP Emulation

Aptec Computer Systems, Inc.

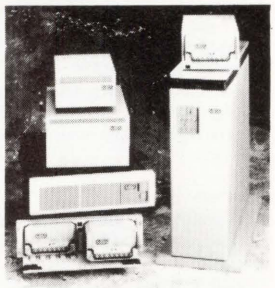
DSK-1412
1 Drive Supported • 1.2GBytes Storage
The DSK-1412 is classified as a non-striped disk and is designed to support Aptec's IOC-200 and IOC-24 systems. Please refer to the Specialized Systems section for further information.

Aquidneck Systems International Inc.

OAS 100
1024MBytes Storage

All-American Subsystems For DEC and Sun.

HEWLETT PACKARD



Unsurpassed Reliability
- All subsystems feature the highly reliable 5¼" Hewlett-Packard disk drives.
- 150,000 hour MTBF rating and five year warranty on HP drives.
- One year warranty on MESA subsystems, optional three year warranty with 24 hour turnaround.

Superior Performance
- Transfer rates up to 2.4 MB per second.
- Average seek time of 16.5 milliseconds.

Fully Compatible
- All MESA subsystems are compatible with specified hosts and operating systems.
- Plug-N-Play with Sun SCSI, Sun* VME based workstations, MicroVax II Q-bus,™ MicroVax III Q-bus,™ DEC* SCSI, IBM* AT Bus and generic SCSI.

Variety Of Configurations
- Non-removable configurations available in shoebox, floor and rack mount.
- Also available in removable, shock-mounted canisters in shoebox, desk and rackmount.
- Up to 4 GB per subsystem.

Comprehensive Support
- Toll-free hotline for installation and technical support.
- Next day warranty shipments available.

Tape Options
- Quarter inch, half inch, 8mm and DAT also available.

The following are registered trademarks of their respective companies: DEC, MicroVax II and III Q-bus of Digital Equipment Corporation; Sun of Sun Microsystems, Inc.; IBM of International Business Machines Corporation.

MESA TECHNOLOGY CORPORATION
9720 Patuxent Woods Dr.
Columbia, MD 21046
800/888-0567
An Electrocomponents Company

AVIV CORPORATION

APEX
4 Drives Supported • ESDI Supported • U/Q Supported • MSCP Emulation
The APEX is compatible with all DEC operating systems that support the MSCP protocol. Tabletop, rackmount, or pedestal configurations. Built-in tape backup available.

Data Tower
2 Drives Supported • SCSI Supported • SCSI/Q Supported • MSCP Emulation
The data tower is a compact desktop high-density SCSI disk storage system with integral high-capacity 4mm or 8mm tape backup.

DFS 1760S
7 Drives Supported • 670MBytes Storage • SCSI Supported • SCSI Supported • MSCP Emulation
670MB hard disk add-on for VAXstation/DECstation 3100 or other DEC SCSI port connection.

DFS 614
4 Drives Supported • 585MBytes Storage • ESDI Supported
Low cost, high-density/high-reliability, RA-compatible disk storage. Available in 21GByte 60" high array.

DFS 614E
4 Drives Supported • 890M Bytes Storage • ESDI Supported • BI/HSC Supported • MSCP Emulation
Ultra high-density/high-reliability, RA-compatible disk storage. Available in 60" high 31.5GByte array.

DFS 624
4 Drives Supported • 1.17GBytes Storage • ESDI Supported
Low-cost, high-density/high-reliability RA-compatible disk storage. Available in 21GByte 60" high array.

DFS 624E
4 Drives Supported • 1.75GBytes Storage • ESDI Supported • BI/HSC Supported • MSCP Emulation
Ultra high-density/high-reliability, RA-compatible disk storage. Available in 60" high 31.5GByte array.

RD 352
7 Drives Supported • 251MBytes Storage • MSCP Emulation
The RD-352 is a 250MB removable hard disk in a 5.25" single form factor. A desktop companion for VAXstation 3100, or connector to other SCSI ports.

Summit V
2 Drives Supported • 1050MBytes Storage • SMD Supported • U/Q Supported • MSCP Emulation
The Summit V is compatible with all DEC operating systems that support the MSCP protocol.

CMS ENHANCEMENTS INC.

CMS 1200SI
7 Drives Supported • 1.2GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
SCSI drive that features simultaneous transfer, non-interleaved disk format, block mode DMA, command queuing, overlapped seeks and an on-board formatter with diagnostics.

CMS 380EI
2 Drives Supported • 380MBytes Storage • ESDI Supported • U/Q Supported • MSCP Emulation
ESDI drive that features simultaneous transfer, non-interleaved disk format, block mode DMA, command queuing, overlapped seeks and an on-board formatter with diagnostics.

CMS 702SI
7 Drives Supported • 702MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
SCSI drive that features simultaneous transfer, non-interleaved disk format, block mode DMA, command queuing, overlapped seeks and an on-board formatter with diagnostics.

CMS 760EH
2 Drives Supported • 760MBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation

CMS 760EI
2 Drives Supported • 760MBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
ESDI drive that features simultaneous transfer, non-interleaved disk format, block mode DMA, command queuing overlapped seeks and an on-board formatter with diagnostics.

CMS 760SH
7 Drives Supported • 760MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation

CMS 766I
7 Drives Supported • 766MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
SCSI drive that features simultaneous transfer, non-interleaved disk format, block mode DMA, command queuing, overlapped seeks and an on-board formatter diagnostics.

CMS 780ET
2 Drives Supported • 780MBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
ESDI drive that features simultaneous transfer, non-interleaved disk format, block mode DMA, commands queuing, overlapped seeks and an on-board formatter with diagnostics.

CMS 780ST
7 Drives Supported • 780M Bytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
SCSI drive that features simultaneous transfer, non-interleaved disk format, block mode DMA, command queuing, overlapped seeks and an on-board formatter with diagnostics.

CMS SDI
4 Drives Supported • 3GBytes Storage • ESDI/SDI Supported • SDI Supported
ESDI to SDI subsystem capable of accommodating one to four ESDI drives for a maximum overall capacity of 3GB of storage.

CPF-180
155MBytes Storage • Q-bus Supported • MSCP Emulation

EQR-380
319MBytes Storage • U/Q Supported • MSCP Emulation
ESDI drive that features simultaneous transfer, non-interleaved disk format, block mode DMA, command queuing, overlapped seeks and an on-board formatter with diagnostics.

CODAR TECHNOLOGY, INC.

925RD
4 Drives Supported • 5GBytes Storage • SCSI/ESDI Supported • U/Q Supported • MSCP Emulation
The 925RD is a fully TEMPEST-compliant subsystem that was designed to pass the most stringent EMI/RFI requirements of MIL-STD-461B A4 procedure.

CONTROLEX CORPORATION

CM331
192MBytes Storage • SMD Supported
CM331 is a RAM disk with an SMD interface. Access time is 10 microseconds, capacity is modular; from 12 to 192MBytes. 5 1/4" high rackmount.

DILOG

DA650 Series
14 Drives Supported • 20.4GBytes Storage • SDI Supported • HSCxx Series Supported • MSCP Emulation
RA-compatible subsystem with 20.4GB of formatted storage for connection to the DEC HSCxx Series, also available with integral 8mm tape backup.

DA750 Series
14 Drives Supported • 18.8GBytes Storage • SDI Supported • HSCxx Series Supported • MSCP Emulation

DA850 Series
14 Drives Supported • 24.3GBytes Storage • SDI Supported • HSCxx Series Supported • MSCP Emulation
RA-compatible subsystems for connection to the DEC HSCxx Series, also available with integral 8mm tape backup.

FDR2 Series
4 Drives Supported • 2GBytes Storage • SDI Supported • U/Q/BI Supported • MSCP Emulation
RA-compatible subsystem for connection to the DEC KDA50, KDB50, UDA50 and HSCxx Series controllers.

FTS2 Series
8 Drives Supported • 673M Bytes Storage • ESDI Supported • U/Q Supported • MSCP Emulation
ESDI subsystem series available as rackmount, tabletop, or tower configuration. Available with or without ESDI controller.

FTS3 Series
8 Drives Supported • 1037MBytes Storage • SCSI Supported • U/Q/W Supported • MSCP Emulation
SCSI subsystem series available as rackmount, tabletop, or tower configuration. Available with or without SCSI host adapter.

M552 Series
2 Drives Supported • 673MBytes Storage • ESDI Supported • U/Q Supported • MSCP Emulation

MSS2 Series
2 Drives Supported • 673MBytes Storage • ESDI Supported • U/Q Supported • MSCP Emulation
Removable storage subsystems with zero insertion force connector housing one or two SCSI Winchester drives.

MSS3 Series
2 Drives Supported • 1037MBytes Storage • SCSI Supported • U/Q/W Supported • MSCP Emulation
Removeable storage subsystem with zero insertion force connector housing one or two SCSI Winchester drives available with or without SCSI host adapter.

RDA4 Series
2 Drives Supported • 1.7GBytes Storage • SDI Supported • U/Q/BI Supported • MSCP Emulation
RA-compatible disk subsystem for connection to DEC KDA50, KDB50, UDA50 and HSCxx series controllers.

STS2 Series
1 Drive Supported • 378MBytes Storage • ESDI Supported • U/Q/W Supported • MSCP Emulation

STS3 Series
1 Drive Supported • 1037MBytes Storage • SCSI Supported • U/Q/W Supported • MSCP Emulation
SCSI single drive tabletop enclosure with up to over one gigabyte of storage per subsystem. Available with or without SCSI host adapter.

DYNATEK AUTOMATION SYSTEMS INC.

HDA13GFT-MU2
2 Drives Supported • 650MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

HDA13GFT-MU3
2 Drives Supported • 650MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

HDA13GFT-STN
2 Drives Supported • 650MBytes Storage • SCSI Supported • MSCP Emulation

HDA13GFT-UBS
2 Drives Supported • 650MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation

HDA26GFT-MU2
4 Drives Supported • 650MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

HDA26GFT-STN
4 Drives Supported • 650MBytes Storage • SCSI Supported • MSCP Emulation

HDA2GFT-MU3
4 Drives Supported • 650MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

HDA2GFT-UBS
4 Drives Supported • 650MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation

HDA650FT-MU2
1 Drive Supported • 650MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

HDA650FT-MU3
1 Drive Supported • 650MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

HDA650FT-STN
1 Drive Supported • 650MBytes Storage • SCSI Supported • MSCP Emulation

HDA650FT-UBS
1 Drive Supported • 650MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation
The Dynatek hard disk drive assemblies support all DEC operating systems. Configured as rackmount, tabletop, or tower. Shipped complete with SCSI host interface and cables.

Emulex Corporation

EPS Family
4 Drives Supported • 741MBytes Storage • SMD/E Supported • U/Q Supported • MSCP Emulation
Low-profile pedestal-mounted SMD subsystem is suited for deskside or office environments. Each subsystem is integrated and tested by Emulex, including formatting, mounting, cabling.

ER2E
2 Drives Supported • 180MBytes Storage • ESDI Supported • U/Q Supported • MSCP Emulation
ER2E includes: one or two 5.25" ESDI Winchester disk drives, the appropriate Emulex UNIBUS or Q-bus controller, an enclosure chassis with its own power supply.

ER2E-III
2 Drives Supported • 760MBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
Designed for MicroVAX 3500/3600. Suited for any application requiring portable, modular data storage. Each Portable Drive Module has single connector, mechanical latch and more.

SDA9X2
4 Drives Supported • 663MBytes Storage • SDI Supported • MSCP Emulation

SDA9X4
12 Drives Supported • 663MBytes Storage • SDI Supported • MSCP Emulation

SDA9X6
18 Drives Supported • 663MBytes Storage • SDI Supported • MSCP Emulation

Epoch Systems Inc.

EPOCH-1 Model 31-B
14 Drives Supported • 30GBytes Storage • SCSI Supported
The EPOCH-1 Model 31-B is an extremely cost-effective, very high-capacity NFS file server with the most advanced integration of magnetic and optical disk available.

Exsys Storage Systems

Laser-RA-1S
1 Drive Supported • 594Bytes Storage • SCSI Supported • SDI Supported
Laser-RA connects directly to any DEC RA controller. Disk emulation allows for random access to archived files. Disk stripping for increased performance to 1MB/sec. transfer rate.

Laser-RA-2S
2 Drives Supported • 594MBytes Storage • SCSI Supported • SDI Supported

Laser-RA-JK
594MBytes Storage • SCSI Supported • SDI Supported

Laser-RA-US
4 Drives Supported • 594Bytes Storage • SCSI Supported • SDI Supported
Optical juke-boxes connect directly to any DEC RA-Controller. Use standard DU-Driver to insure compatibility. Subsystem capacity from 6.0GB to 42GB.

RACE 4000
8 Drives Supported • 380MBytes Storage • ESDI Supported • U/Q Supported
Features up to 2.28GB formatted storage per SDI port and it supports any controller that is RA SMD compatible.

RACE 4200
2 Drives Supported • 585Bytes Storage • ESDI Supported • SDI Supported

RACS 4000
8 Drives Supported • 350MBytes Storage • SMD Supported • U/Q Supported
Features up to 2.28GB formatted storage per port and it supports any controller that is RA compatible.

RFCS-6101H
1 Drive Supported • 660MBytes Storage • SCSI Supported • DSSI Supported

RFCS-6101W
1 Drive Supported • 1GByte Storage • SCSI Supported • DSSI Supported

RFCS-6104W
4 Drives Supported • 1GByte Storage • SCSI Supported • DSSI Supported

RFCS-6107
7 Drives Supported • 11GBytes Storage • SCSI Supported • DSSI Supported
Exsys RFCS disk drives are fully DSSI compatible. RFCS drives connect to the 4MB/sec. DSSI bus. Doubles the capacity and performance of any DEC RFXX drive.

Integrated Technologies

92xxx
7 Drives Supported • 220MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
3.5" SCSI disk array. Mounting in floor-standing tower, 19" rackmount, and desktop enclosures.

IT-9110
1 Drives Supported • 220MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
3.5" SCSI disk subsystem mounted in 3.5" compatible desktop enclosure. Q-bus, UNIBUS, SCSI compatible.

IT-9310
1 Drives Supported • 389MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
3.5" SCSI disk, 389MB mounted in desktop enclosure. Includes five year FED-X replacement warranty.

IT-9320
1 Drives Supported • 778MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
5.25" SCSI disk, 778MB mounted in desktop enclosure. Includes five year FED-X replacement warranty.

IT-9330
1 Drives Supported • 1.2GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
5.25" SCSI disk, 1.2GB mounted in desktop enclosure. Includes five year FED-X replacement warranty.

IT-9340
1 Drives Supported • 1.2GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
5.25" SCSI disk 2.4GB mounted in desktop enclosure. Includes five year FED-X replacement warranty.

IT-93XX
7 Drives Supported • 1.2GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
5.25" SCSI disk array. 3.6-8.4GB per controller. HSC, Q-bus, UNIBUS compatible. Five year FED-X warranty. Floor standing tower and 19" rackmount options.

Lago Systems

LS/200E
5 Drives Supported • 2.1GBytes Storage • ESDI Supported • SDI Supported • MSCP Emulation
LS/200E is a compact disk array with four ESDI drives in a 5 1/4" high enclosure that includes an integrated ESDI-to-SDI adapter.

LS/200M
2 Drives Supported • 850KBytes Storage • SMD-E Supported • SDI Supported • MSCP Emulation
LS/200 has an integrated SMD-to-SDI adapter that eliminates external SMD cabling to simplify installation. The 5 1/4" high enclosure houses two 8" SMD disk drives.

MDB Systems Inc.

Data Shuttle 1000/A
1 Drive Supported • 380MBytes Storage • SCSI/ESDI Supported • 3100 Supported • MSCP Emulation

Data Shuttle 1000/B
1 Drive Supported • 760MBytes Storage • SCSI/ESDI Supported • 3100 Supported • MSCP Emulation

Data Shuttle 1000/C
1 Drive Supported • 1GByte Storage • SCSI Supported • U/Q Supported • MSCP Emulation

Data Shuttle 2000-RA
2 Drives Supported • 380MBytes Storage • SDI Supported • U/Q/B Supported • MSCP Emulation

Data Shuttle 2000-RA/B
2 Drives Supported • 760MBytes Storage • SDI Supported • U/Q/B Supported • MSCP Emulation

Data Shuttle 2000-RF
49 Drives Supported • 1GByte Storage • DSSI Supported • U/Q Supported • MSCP Emulation

Data Shuttle 2000/A
2 Drives Supported • 380MBytes Storage • SCSI/ST506 Supported • U/Q Supported • MSCP Emulation

Data Shuttle 2000/B
2 Drives Supported • 760MBytes Storage • SCSI/ESDI Supported • U/Q Supported • MSCP Emulation

Data Shuttle 2000/C
2 Drives Supported • 1GByte Storage • SCSI Supported • U/Q Supported • MSCP Emulation

Data Shuttle 3000/A
2 Drives Supported • 380MBytes Storage • SCSI/ESDI Supported • U/Q Supported • MSCP Emulation

Data Shuttle 350
1 Drive Supported • 200MBytes Storage • SCSI/ESDI Supported • U/Q Supported • MSCP Emulation

Data Shuttle 4000/A
2 Drives Supported • 380MBytes Storage • ESDI Supported • U/Q Supported • MSCP Emulation

Data Shuttle 4000/B
2 Drives Supported • 760MBytes Storage • ESDI Supported • U/Q Supported • MSCP Emulation

Data Shuttle/B
2 Drives Supported • 760MBytes Storage • SCSI/ESDI Supported • U/Q Supported • MSCP Emulation

Data Shuttle 2000-RA/A
2 Drives Supported • 380MBytes Storage • SDI Supported • U/Q/B Supported • MSCP Emulation

Micro Technology Inc.

6200 Series
4 Drives Supported • 2GBytes Storage • SDI Supported • STI/SDI Supported • MSCP Emulation
The 6200 Series storage array combines a high-capacity HSC-compatible cartridge tape with built-in RA90 compatible disk, together as one integral storage solution.

Intercept Removable
14 Drives Supported • 1.16GBytes Storage • SDI Supported • U/Q Supported • MSCP Emulation
Intercept is designed to be the systems solution to removable Winchester technology. It houses up to two removable canisters for 1,160 MB of online storage.

MDI-276
9 Drives Supported • 1.16GBytes Storage • SDI Supported • U/Q Supported • MSCP Emulation
Employs IBM 3380 type technology. The MDI-276 also has built-in diagnostics as well as on off-line auto formatter.

MDI-276R
7 Drives Supported • 1.16GBytes Storage • SDI Supported • U/Q Supported • MSCP Emulation
The MDI-276R provides removable Winchesters for users of classified data. It offers data integrity through its controller/operating system level spindown.

MDI-476
2 Drives Supported • 2.3GBytes Storage • SDI Supported • U/Q Supported • MSCP Emulation
The MDI-476 uses multiple HDAs synchronized together to form a 2.3GB storage array. Compatible with DEC HSC70, HSC50, KDB50, KDA50, and UDA50 controllers.

MDI-476 PLUS
9 Drives Supported • 2GBytes Storage • SDI Supported • U/Q Supported • MSCP Emulation
The MDI-476 uses multiple HDAs synchronized together to form a 2GB disk device. Compatible with DEC HSC70, HSC50, KDB50, KDA50, and UDA50 controllers.

MDI-6227
2 Drives Supported • 1.16GBytes Storage • SDI Supported • U/Q Supported • MSCP Emulation

MDI-6247 Plus
2 Drives Supported • 2GBytes Storage • SDI Supported • U/Q Supported • MSCP Emulation
Compatible with DEC HSC70, HSC50, KDB50, KDA50 and UDA50 controllers. Combines both RA-compatible disk and TA/8mm HSC-compatible tape drives in the same chassis.

MDI-76
9 Drives Supported • 580MBytes Storage • SDI Supported • U/Q Supported • MSCP Emulation
Compatible with DEC HSC70, HSC50, KDB50, KDA50, and UDA50 controllers and with MTI's intercept removable chassis.

MDQ-238
2 Drives Supported • 640MBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
Q-bus compatible, featuring disk shadowing. Available in rackmount or tabletop versions.

MDQ-238R
2 Drives Supported • 640MBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
Q-bus-compatible features disk shadowing in tabletop or rackmount configurations. Controller/operating system controlled spindown of the disk to ensure data integrity.

MDQ-276
2 Drives Supported • 1.24GBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
Compatible with DEC HSC70, HSC50, KDB50, KDA50, and UDA50 controllers. Q-bus compatible, featuring disk shadowing. Also available in desktop or pedestal versions.

MDQ-276R
2 Drives Supported • 1.24GBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
Q-bus compatible; features controller operating systems, spindown disk shadowing.

MDQ-76R
4 Drives Supported • 620GBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
Data integrity is provided through controller/operating system spindown. Features disk shadowing and is available in tabletop or rackmount versions.

Mustang
3 Drives Supported • 1GByte Storage • SCSI Supported • U/Q Supported • MSCP Emulation
The Mustang series storage array combines high-capacity 4mm or 8mm cartridge tape with high-capacity disk storage. Available in rackmount tabletop or pedestal platforms.

Storage Concepts Inc.

Concept 21
1-4 Drives Supported • 1.9GBytes Storage • U/Q Supported
The Concept Series of disk processors provides high-speed disk storage for image storage and supercomputer data storage. Requires Storage Concepts' host adapter (UBHA) board.

Concept 31
1-4 Drives Supported • 2.75GBytes Storage • U/Q Supported
Same as Concept 21. The Concept 31 offers high-speed disk transfer rates, delivering rate of 12.3M bps and a sustained rate of 10.7M bps.

Concept 51
2-72 Drives Supported • 56GBytes Storage • ESDI Supported • U/Q Supported
The Concept 51 is a parallel disk array offering customers a flexible, fast reliable disk system for a variety of applications demanding high performance.

MV21
1-4 Drives Supported • 1.9G Bytes Storage • ESDI Supported • Q-bus Supported
MV21 subsystems include a QBHA board, a Concept 21 and 1-4 M2350A PTDs.

MV31
1-4 Drives Supported • 2.75GBytes Storage • ESDI Supported • Q-bus Supported
MV31 subsystems include a QBHA board, a Concept 31 and 1-4 M2360A PTDs.

Summus Computer Systems

Ethernet File Server
Q-bus Supported
Designed to enhance the productivity of any interconnected MicroVAX system.

GigaBox-104
4 Drives Supported • 382MBytes Storage • U/Q Supported • MSCP Emulation

GigaBox-106
4 Drives Supported • 765MBytes Storage • U/Q Supported • MSCP Emulation

GigaBox-117
8 Drives Supported • 900MBytes Storage • U/Q Supported • MSCP Emulation

GigaBox-119
4 Drives Supported • 1.8GBytes Storage • U/Q Supported • MSCP Emulation
Maintenance support options are available through an award-winning National Support Group with investment/upgrade protection plans.

GigaTape JBL 125
U/Q/B Supported

SUM-43000
7 Drives Supported • 170MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
plans.

SUM-44100
7 Drives Supported • 765MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation

SUM-44600
7 Drives Supported • 382MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
Maintenance support options are available through an award winning National Support Group with investment/upgrade protection plans.

Systems Concepts, Inc.

DS-30
10GBytes Storage • CIbus Supported
The DS-30 provides high reliability with redundant recording, multiple controllers and alternate paths to disk. A failed module can be replaced without data loss.

Tech Labs

WL-84
1 Drive Supported • 84MBytes Storage • SMD Supported
The WL-84 features fast access with reliability. It is a cost-effective storage solution for small computer systems and intelligent workstations.

Trimarchi Inc.

Data Station 100
1 Drive Supported • 100MBytes Storage • SCSI Supported • MSCP Emulation
104MB internal disk or external disk for DEC workstations and systems.

Data Station 1200
1 Drive Supported • 1200MBytes Storage • SCSI Supported • MSCP Emulation
1200MB external disk for DEC workstations and systems.

Data Station 200
1 Drive Supported • 200MBytes Storage • SCSI Supported • MSCP Emulation
200MB internal or external disk for DEC workstations and systems.

Data Station 2400
1 Drive Supported • 2400MBytes Storage • SCSI Supported • MSCP Emulation
Single-disk unit with 2.4G capacity and high performance for DEC workstations and systems.

Data Station 300
1 Drive Supported • 300MBytes Storage • SCSI Supported • MSCP Emulation
300+MB internal or external disk for DEC workstations and systems.

Data Station 600
1 Drive Supported • 600MBytes Storage • SCSI Supported • MSCP Emulation
600MB external disk for DEC workstations and systems.

DEC RD54-FA
1 Drive Supported • 159MBytes Storage • ST506 Supported • MV2000 Supported • MSCP Emulation

Q-bus 1200MB
2 Drives Supported • 1200MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

Q-bus 2400MB
4 Drives Supported • 2400MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

Q-bus 300MB
1 Drive Supported • 300MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

Q-bus 600MB
1 Drive Supported • 600MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

UNIBUS 1200 MB
2 Drives Supported • 1200MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation

UNIBUS 2400MB
4 Drives Supported • 2400MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation

UNIBUS 300MB
1 Drive Supported • 300MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation

UNIBUS 600MB
1 Drive Supported • 600MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation

Tristar Technology

Orion 1000
2 Drives Supported • 380MBytes Storage • ST506 Supported • U/Q/B Supported • MSCP Emulation

Orion 2000
2 Drives Supported • 1.5GBytes Storage • ESDI Supported • U/Q/B Supported • MSCP Emulation

Orion 3000
2 Drives Supported • 2.4GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation

Orion 4000
2 Drives Supported • 1.5GBytes Storage • SDI Supported • U/Q/B Supported • MSCP Emulation
The Orion series features solid shock protection and large-capacity high-performance removable disk storage providing security, quick back-up, and transportability.

PS6678-2R
2 Drives Supported • 1.2GBytes Storage • ESDI Supported • Host Interface • MSCP Emulation

PS6922-2R
2 Drives Supported • 3.4GBytes Storage • SMD Supported • Host Interface • MSCP Emulation

PS6922-6R
6 Drives Supported • 10.2GBytes Storage • SMD Supported • SDI Supported • MSCP Emulation
Direct connect to all DEC SDI controllers. Fully compatible with VAX Sim Plus and other utilities. Single field replaceable modules. Dual Port.

U. S. Design Corporation

Q-Stor Magnetic
1-4 Drives Supported • 175MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation

VIP/F
1-4 Drives Supported • 2.63GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
The VIP/F is a high-capacity, high-per-

formance storage system that's equipped with KA4220 cache controller that reduces disk average seek time, also allows logical to physical disk partitioning.

VIP/H
2 Drives Supported • 2.2GBytes Storage • SDI Supported • SDI Supported • MSCP Emulation
The VIP/H is a high-capacity storage system that is equipped with a converter allowing easy connection to DEC via the SDI interface (emulation 100 percent RA drive).

Unbound, Inc.

STOR-E
1.2GBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

STOR-R
1.2GBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation
Disk upgrades for existing DEC 3100 workstations—VAX, MicroVAX, DECstation.

Winchester Systems Inc.

FD/W7
4 Drives Supported • 600MBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
FlashDisk provides RAM disk performance on a 600MB disk. Intelligent disk acceleration creates 400 disk operations per second per disk.

HDQ/W3
4 Drives Supported • 300MBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
A unique combination of intelligent disk accelerator boards with disk optimization provide five times DEC performance: 150 disk I/Os per second per 300MB disk.

HDQ/W7
4 Drives Supported • 660MBytes Storage • ESDI Supported • Q-bus Supported • MSCP Emulation
A unique combination of intelligent disk accelerator boards with disk optimization provide five times DEC performance: 150 disk I/Os per second per 660MB disk.

HDU/W3
4 Drives Supported • 300MBytes Storage • ESDI Supported • UNIBUS Supported • MSCP Emulation
A unique combination of intelligent disk accelerator boards with disk optimization provide five times DEC performance: 150 disk I/Os per second per 300MB disk.

HDU/W7
4 Drives Supported • 660MBytes Storage • ESDI Supported • UNIBUS Supported • MSCP Emulation
A unique combination of intelligent disk accelerator boards with disk optimization provide five times DEC performance: 150 disk I/Os per second per 660M disk.

SDI/W14
1 Drive Supported • 1200MBytes Storage • ESDI Supported • MSCP Emulation
An RA-compatible 1.2GB disk drive that operates with double the performance of a DEC drive for use on DEC DSA disk controllers.

SDI/W7
1 Drive Supported • 600MBytes Storage • ESDI Supported • MSCP Emulation
An RA-compatible 600MB disk drive that operates with double the performance of a DEC drive for use on DEC DSA disk controllers.

VS/W3
4 Drives Supported • 300MBytes Storage • SCSI Supported • MSCP Emulation
A 300MB disk subsystem for 3100 workstations with double the performance of DEC RZ drives. Why put a slow RZ drive on a fast computer?

VS/W7
4 Drives Supported • 660M Bytes Storage • SCSI Supported • MSCP Emulation
A 660MB disk subsystem for 3100 workstations with double the performance of DEC RZ drives. Why put a slow RZ drive on a fast computer?

WCQ/R4
4 Drives Supported • 41.6MBytes Storage • SCSI Supported • Q-bus Supported
A single compact removable Winchester cartridge stores four RL02 images — with double the performance. 100 percent compatible with DL device drivers of traditional Q-bus systems.

WCQ/R6
4 Drives Supported • 45MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation
A single compact removable Winchester cartridge stores 45MB - - with double the performance of RC25s. Fast random access removable media for Q-bus computers.

WCU/R4
4 Drives Supported • 40.6MBytes Storage • SCSI Supported • UNIBUS Supported
A single compact removable Winchester cartridge stores four RL02 images — with double the performance. 100 percent compatible with DL device drivers of traditional UNIBUS systems.

WCU/R6
4 Drives Supported • 45MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation
A single compact removable Winchester cartridge stores 45MB — with double the performance of RC25s. Fast random access removable media for UNIBUS computers.

Optical Drives

Applied Digital Systems

AD682
654MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
Worm Optical Disk.

Creo Products Inc.

Optical Tape Recorder
1TByte Storage • SCSI Supported • ECC
Optical tape recorder for mass storage of data and images.

Information Storage Inc. (ISi)

525GB
1.28GBytes Storage • SCSI Supported • U/Q/B Supported • ECC
The ISi 525GB optical disk drive features high capacity and high performance. It is ideal for a wide range of data storage applications.

525GBX2
2.56GBytes Storage • SCSI Supported • U/Q Supported • ECC
The ISi 525GBX2 optical storage system features high capacity and high performance. As such, it is ideal for a wide range of data storage applications.

Lago Systems

LS/90E
1.2GBytes Storage • ESDI Supported • SDI Supported • MSCP Emulation
A plug-compatible alternative to DEC's RA90 disk drive, the LS/90 packages two ESDI drives in a 1/4" rack enclosure with an integral SDI adapter board.

Maxtor Corporation

RXT-800HS
800MBytes Storage • SCSI Supported • ECC
The RXT-800S is an optical drive with removable media.

Tahiti
Erasable • 650M/1GByte Storage • SCSI Supported • ECC
The Tahiti is an erasable magneto optical disk drive with removable media.

Perceptics Corporation

LD1200
2GBytes Storage • UNIBUS Supported • MSCP Emulation

Optimem 1000
2GBytes Storage • UNIBUS Supported • MSCP Emulation

Optimem 2400
2.4GBytes Storage • SCSI Supported • UNIBUS Supported • ECC
The Optimem 2400 provides MSCP emulation and features a removable 12" disk media, microprocessor-controlled electronics, internal diagnostics, a modular design and is available with an advanced SCSI interface as an option.

Summus Computer Systems

SO-600
Erasable • 600MBytes Storage • SCSI Supported • U/Q Supported • ECC • MSCP Emulation
The LightDisk SO-600 rewriteable magneto-optical drive offers random access to 600MB of data per disk.

U. S. Design Corporation

Q-Stor
650MBytes Storage • SCSI Supported • U/Q Supported • ECC • MSCP Emulation
The QT 1000 is the first high-performance erasable drive in a single drive tabletop enclosure for DEC Q-bus, UNIBUS, VAX3100, and Sun Systems.

Optical Subsystems

Alphatronix

Inspire
Erasable • 4550MBytes Storage • U/Q Supported • MSCP Emulation
Inspire rewriteable optical storage systems feature large storage capacity, random access to stored files, complete transparency to the operating system, erasability, removability, and portability.

Aquidneck Systems International Inc.

OAS 150
Erasable • 3.25 Bytes Storage • SCSI Supported • U-Q Supported • MSCP Emulation
High-speed cache controller-based standalone and autochanger optical disk systems with ability to interchange disks across all industry computer. No software required.

OAS 2000
300GBytes Storage • SCSI Supported • UNIBUS Supported

OAS 3420
6.8GBytes Storage • SCSI Supported • UNIBUS Supported

CMS Enhancements Inc.

CMOD-600Q
600MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
Magnetic optical drive subsystem is a dual-sided 600MB erasable SCSI interface.

Cygnet Systems Inc.

5250 Jukebox
Erasable • 20GBytes Storage • SCSI Supported
The 5250 supports worm or erasable drives from Maxtor, Sony, Pioneer, Optimem, and LMSI. It contains 25 cartridges and one or two drives.

Series 1800 Jukebox
916GBytes Storage • SCSI Supported
The Series 1800 is an expandable jukebox that supports ATG, Hitachi, Optimem, LMSI Sony, and Toshiba worm drives. Contains up to five optical disk drives.

DILOG

STSOTT1-1xM0600S
Erasable • 594MBytes Storage • SCSI Supported • U/Q/W Supported • MSCP Emulation
Erasable optical subsystem available in single drive or dual drive configurations for Q-bus, UNIBUS, and workstations environments.

Dynatek Automation Systems Inc.

DROS600T-MU3
Erasable • 1200MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

DROS600T-MV2
Erasable • 1200MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

DROS600T-STN
Erasable • 1200MBytes Storage • SCSI Supported

DROS600T-UBS
Erasable • 1200MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation

ROS600T-MV2
Erasable • 600MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

ROS600T-MV3
Erasable • 600MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation

ROS600T-STN
Erasable • 600MBytes Storage • SCSI Supported

ROS600T-UBS
Erasable • 600MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation
The Dynatek rewriteable optical storage series supports all DEC operating systems. Configured as rackmount, tabletop, or tower. Shipped complete with SCSI host interface and cables.

MCS Computer Products Inc.

OAS 100/150
Erasable • Unlimited Byte Storage • SCSI Supported • U/Q Supported

Perceptics Corporation

LaserStar
200GBytes Storage
May be configured with (LMS) ODSR featuring one drive holding 20 double-sided media or two drives holding 16 double-sided media or the Cygnet Series 1800.

LaserStar 2400
338GBytes Storage
Includes LaserStar magnetic disk emulating software and jukebox management software, Cygnet 1800 series expandable jukebox, Perceptics' Optimem 2400 optical disk drive, SCSI host adapter, associated cables and hardware.

LaserSystem
2GBytes Storage • SCSI Supported • MSCP Emulation
Includes Perceptics LaserWare file system software. This system may store up to 1GB on-line per drive or 2GB on a removable cartridge. VAX/VMS 4.0 or higher is required.

LaserSystem 525
SCSI Supported • U/Q Supported • MSCP Emulation
Includes Perceptic's LaserWare, a VMS-compatible optical disk file system software package, providing directories using the standard WORMS-11 optical disk format.

Pinnacle Micro Inc.

RED-130
Erasable • 128MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
The RED-130 is the first 3.5-inch erasable optical drive, capable of storing 128MB. Compatible with MAC, SUN, DEC, IBM, and compatibles.

RED-1300
Erasable • 1.2Bytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
RED-1300 is a dual-drive capable of storing up to 1.2GB of data. Compatible with DEC, SUN, MAC, IBM, and compatibles.

RED-650
Erasable • 650MBytes Storage • SCSI Supported • SCSI Supported • MSCP Emulation
The RED-650 is a single drive, SCSI system capable of storing up to 650MB of data on a cartridge. Compatible with MAC, SUN, DEC, IBM compatibles, HP.

RED-6500
Erasable • 6.5GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
RED-6500 is the first 6.5GB desktop jukebox, compatible with DEC, SUN, MAC, IBM compatibles. RED-6500 uses 10 pieces of media; operates on SCSI interface BOS.

Ricoh Corporation

RS-8200HH
1.6GBytes Storage • SCSI Supported
WORM Subsystem incorporates two half-height optical disk drives. Design allows for easy copying of information from one drive to the other.

RS9200E II
Erasable • 650MBytes Storage • SCSI Supported
Rewriteable optical disk drive adheres to the latest ISO standards. SCSI interface allows for easy integration, bare drive has embedded SCSI for internal configurations.

See First Technology Inc.

GIGA-vault 650
Erasable • 650MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
Read write erasable optical drive. No driver required. Interfaces to Q-bus or UNIBUS with SCSI host adapter. Looks like a "DU" device to operating system.

Summus Computer Systems

LightDisk-650
SCSI Supported • U/Q Supported
Used for augmenting disk capacities, offloading data files, providing high-capacity back-up for networks, archiving, and distributing databases, image storing and retrieving, electronic publishing and file-server applications.

Trimarchi Inc.

Ether Optical
Erasable • 600MBytes Storage • SCSI Supported • Supported • MSCP Emulation
Ethernet based erasable optical disks.

Laserase for DEC
Erasable • 600MBytes Storage • SCSI Supported • MSCP Emulation
Erasable optical for DEC Workstations.

Laserase MV2000
Erasable • 600MBytes Storage • SCSI Supported • MSCP Emulation
Erasable optical for VAXstation and MicroVAX 2000.

Q-bus Laserase
Erasable • 600MBytes Storage • SCSI Supported • Q-bus Supported • MSCP Emulation
Q-bus-based erasable optical disk subsystem.

UNIBUS Laserase
Erasable • 600MBytes Storage • SCSI Supported • UNIBUS Supported • MSCP Emulation
UNIBUS-based erasable optical disk subsystem.

Tristar Technology

PE 3660-1D
Erasable • 650MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
The PE 3660-1D is 100 percent plug compatible, removable media. Rackmount, tabletop, or pedestal configurations available. Features a SCSI interface for system configuration flexibility.

PE 3660-2D
Erasable • 1.3GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
The PE 3660-2D is 100 percent plug compatible, removable media. Rackmount, tabletop, or pedestal configurations available. Features a SCSI interface for system configuration flexibility.

U. S. Design Corporation

JVPM
Erasable • 25GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
The JukeVOS controls robotics of 5.25" and 12" jukebox. It interfaces with the VOS-T for DEC system operation and the VOS-U for SUN system operation.

Q-Stor Optical
Erasable • 650MBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation

VOS-T
6.4GBytes Storage • SCSI Supported • U/Q Supported • MSCP Emulation
VOS/T is the U.S. Design optical software package to be used in DEC systems for Optical Worm devices. VOS/T provides speed, transparency, and full capability.

Unbound, Inc.

Optistor E & W
Erasable • 1.3GBytes Storage • SCSI Supported • UNIBUS Supported
Please note that the quoted storage capacity is unformatted. Plug and play to DEC 3100 workstation.

Solid State Storage

Dataram Corporation

DRD-202
4-8MBytes Storage

DRD-204
2-8MBytes Storage

Digital Instruments Corporation

QMDISK/Internal
32MBytes Storage • Q-bus Supported
Quad width 4MB hardware subsystem with DEC VM-type device handler. Used with Q-bus systems (LSI-11, 16- to 22-bit) under RT-11, TSX+, I/O page mapped.

Imperial Technology, Inc.

MegaCard-MP
512MBytes Storage • MSCP Emulation

MegaCard-RL
40MBytes Storage
Complete solid-state disk emulating boards that plug directly into a backplane (two to five slots) interfacing to the UNIBUS or Q-bus.

MegaRam
32MBytes Storage
Seven-inch high rackmountable module may be daisy-chained over 2GB of data storage.

MegaRam-SDI
1 Drive Supported • 512MBytes Storage • MSCP Emulation

MegaRam-VX
1 Drive Supported • 512MBytes Storage • Supported CPUs • MSCP Emulation
The Megaram-SDI/Megaram-VX delivers full DSA/MSCP compatibility. Can be attached directly to the Digital HSC-70, HSC-50, KDB50, KDA50, and UDA50.

MG-K11
1 Drive Supported • 32MBytes Storage

MG-L11
1-4 Drives Supported • 32MBytes Storage
Solid-state, nonrotating storage systems that interface to the CPU as if they were rotating disks. Equipped with an internal microprogrammable controller.

See First Technology Inc.

RDC-16
16MBytes Storage • U/Q Supported • ECC/EDC • MSCP Emulation
The RDC-16 includes on one board an MSCP controller and 16MB of RAM memory. Two 32MB boards can be interfaced to the RDC-16.

RDE-32
32MBytes Storage • U/Q Supported • ECC/EDC • MSCP Emulation
The RDE-32 contains 32MB of memory and must be interfaced to an RDC-16 for Q-bus or an RDC(U) for UNIBUS.

System Industries

MegaRam-SDI
1 Drive Supported • 512MBytes Storage • MSCP Emulation
First solid state disk to provide direct connection to any DSA controller, including HSC and KDB50, for significantly improved I/O throughput performance.

MegaRam-VX
1 Drive Supported • 512MBytes Storage • MSCP Emulation
A modular, MSCP-compatible solid state disk for UNIBUS and Q-bus systems that significantly improves I/O throughput performance. Optional high-speed interface available.

TAPE STORAGE

TAPE CONTROLLERS

Model	# of Supported Drives	Size of Supported Drive	Drive Interface	Read Reverse Capability	Multiport Capability	Host Interface	Data Buffer Size (Bytes)	MTBF (hrs)	Transfer Rate (bps)	TMSCP Emulation	Warranty	Price
Aviv Corporation 617 933-1165												
QSA 2		8mm	SCSI	Y	Y		512K		4M	Y	1 y	$1,850
TFC 835C	4		STC			UNIBUS	64K		1.5M			
TFC 845	4	1/2"	STK/Pertec	Y	Y	UNIBUS	64K	60K	1.5M		1 y	$2,100+
TFC 933	7	4mm	SCSI	Y	Y	Q-bus	16K	60K	2M	Y	1 y	$1,400
TFC 935	4	1/2"	STK/Pertec	Y	Y	Q-bus	64K	60K	1.5M	Y	1 y	$1,900
TFC 935D-1	4		SCSI	Y		Q-bus	64K	60K	3M		1 y	$1,800
USA 2	7	8mm	SCSI	Y	Y	UNIBUS	512K	60K	4M	Y	1 y	$2,100
CMS Enhancements Inc. 714 259-9555												
CQS-20T	7		SCSI		Y	Q-bus	64K	40K	2M	Y		$1,250
CUS-70T	7	8mm	SCSI			UNIBUS	64K		2M	Y		$1,244
Miltope Corporation 516 420-0200												
TC 11	4					UNIBUS					120 d	$20,500
Sigma Information Systems 714 630-6553												
STC-TQK11/SCSI			SCSI			UNIBUS				Y		$1,600
STC-TQK11A			QIC-02			UNIBUS	32K			Y		$1,600
STC-TSV11	2					Q-bus	32K			Y		$1,495
Spectra Logic Corporation 303 449-7759												
S-121 +	4	8mm	Pertec			UNIBUS	64K		1M		1 y	
System Industries 408 432-1212												
9700 FCU	3		SI 9700-53			UNIBUS						
Clustor 3	16	5.25"			Y	U/Q		15K	2.5M	Y	1 y	$8,600
Clustor 5	16	5.25"			Y	U/Q		15K	2.5M	Y	1 y	$15,500
TDX Peripherals Inc. 516 273-5900												
TDX-1050	4		Pertec/RS232			UNIBUS	4K				1 y	$2,000

TAPE COUPLERS

Model	# of Supported Drives	Size of Supported Drive	Host Interface	Drive Interface	On-board Diagnostics	Tape Density (bpi)	Max Data Rate (bps)	Buffer Size (Bytes)	Tape Speeds (ips)	Board Size	Warranty	Price
Emulex Corporation 714 662-5600												
TC13	1-4	1/2"	U/B		Y	800-6250	800K	3.5K	12.5-125	Q	1 y	$1,700
TC7000	1-8	1/2"	UNIBUS		Y	800-6250	1.5M	512K	12.5-125	XH		$4,500

TAPE DRIVES

Model	Size of Drive	Type of Drive	Drive Interface	Storage Capacity (Bytes)	Data Transfer Rate (bps)	Recording Densities (bpi)	Low Speed Streaming (ips)	High Speed Streaming (ips)	MTBF (hrs)	Price
Applied Data Communications 714 731-9000										
CD-2500	.5"	Cart	P/SCSI	46M	384K	1600				
ARDAT Inc. 714 641-2135										
4315ND	3.5"	4mm	BASIC	2G	183K	61K			>40K	$1,300
4320NT	3.5"	4mm	SCSI	2G	183K	61K			>40K	$1,500
4330XT/4331XT	3.5"	4mm	SCSI	2G	183K	61K			>40K	$1,700
4520NT/4521NT	5.25"	4mm	SCSI	2G	183K	61K			>40K	$1,500
4590	5.25"	4mm	SCSI	10G	183K	61K			>40K	
Cipher Data Products Inc. 619 693-7153										
F880	8.75"	9T	SCSI/Cipher Pertec	46M	160K	1600	25	100	5.5K	$4,000
F880-II	8.75"	9T	SCSI/Cipher Pertec	92M	160K	1600/3200	25	100	5.5K	
F880ES	8.75"	9T	Embedded SCSI	92M	160K	3200	25	50	10K	$4,000
M890	.5"	9T	SCSI	46M	384K	3200			5.5K	$5,100
M891	.5"	9T	SCSI	46M	384K	3200		75	5.5K	$5,100
M995	.5"	9T	SCSI	46M	552K	1600			20K	$9,000
ST150S	.5"	Cart	SCSI	180M	87K	12.5K		90	12K	
Dynatek Automation Systems Inc. 416 636-3000										
CST1300T-SC	5.25"	Cart	SCSI	1.3G	183	61K			>50K	$3,000
CST2300-SC	5.25"	8mm	SCSI	2.3G	248				20K	$3,500
CST6250/160T-SC	5"	9T	SCSI	270M	552K	1600			10K	$9,750
Kennedy Company 714 770-1100										
9610	.5	R/R, 9T	Pertec	270M	750K	800/6250	50	100	7K	
9612	.5"	R/R, 9T	SCSI	270M	4M	800/1600	50	100	7K	
9660	.5"	R/R, 9T	Pertec	270M	750K	800/6250	50	100	7K	
9662	.5"	R/R, 9T	SCSI	270M	625K	800/6250	50	100	>7K	
Megatape Corporation 818-357-9921										
Innov8 Tape Array	8mm	Cart	SCSI	6.6G	738K	54K		429	20K	
MAP-8110	8mm	Cart	Pertec	2G	246K	54K			20K	
Miltope Corporation 516 420-0200										
AT-1161	.5"	7/9T				800/1600				$35,900
Performark Inc. 612 942-0611										
CompacTape	.5"	Cart		95M		6667				
Pinnacle Micro Inc. 714 727-3300										
DAT-1300		4mm	SCSI	1.3G					20K	$3,995
System Industries 408 432-1212										
SI2046	8mm	Cart	SCSI	2.3G	230K	43.2K		429	20K	$27,500
SI2100		9T		9G	625K			100	10K	$34,400
SI2480	1/2"	Cart	STI	4G	3M				15K	$51,700
SI2700		9T	STI		781K			125	10K	$57,400
SI59	8mm	Cart	SCSI	2.3G	246K	43.2K		429	20K	$8,600
System Technology Associates 800 553-5124										
GT-4	5.25"	DAT	SCSI	1.3G	183K	61K	32	64	40K	$3,990
GT-8/DQ	5.25"	Cart	SCSI	2.5G	246K	43.2K			10K	$5,950
TDX Peripherals Inc. 516 273-5900										
TDX-450		9T	U/Q/SCSI	80M		800/3200	50	100		$6,500
TDX-50		9T	Q/U/SCSI	44M	80K	800/1600			10K	$5,050+
TDX-5000		9T	Q/U/SCSI	160M		800/3200			4.5K	$11,000+
TDX-75		9T	P/Q/U	44M	120K	800/1600			10K	$7,050+

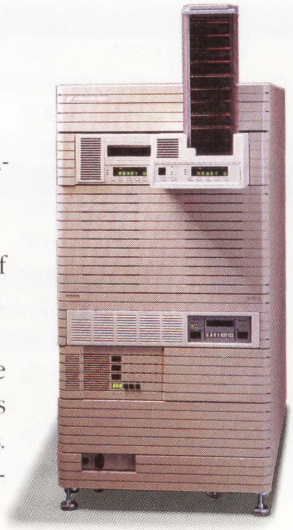


Introducing Our SI2480 Tape Drive. Because Leading Edge Has Always Meant Having All The Right Stuff.

At last, a cost-effective tape subsystem that has everything going for it. The new SI2480 is indeed leading edge technology for today's demanding VAXcluster backup. Now, you can get high performance, reliability, and unattended backup in one rackmountable 3480-compatible tape solution.

With the SI2480, the right stuff means the kind of performance that can put your operation in orbit. With a 3MB per second transfer rate, this HSC-compatible system lets you handle backup or restore assignments in a flash. While high-speed search lets you locate files in an average of less than 20 seconds.

Capacity takes off too, with the SI2480. Dependable ½-inch 3480-compatible cartridges hold 200 MB each. A 10-cartridge stacker/loader brings capacity to 2 GB. Plus you can put up to four SI2480s in a cabinet for unattended backup of up to 8 GB.



And when it comes to reliability, we don't promise you the moon. We just give you a system you can count on thanks to extensive diagnostics, MTBF ratings over 15,000 hrs., as well as worldwide field service.

So, if you're looking for a backup system that will blast you into the future, look no further than the SI2480. Just call **800-333-2220**. And we'll help you land one safely.

SYSTEM INDUSTRIES

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TAPE DRIVES

Model	Size of Drive	Type of Drive	Drive Interface	Storage Capacity (Bytes)	Data Transfer Rate (bps)	Recording Densities (bpi)	Low Speed Streaming (ips)	High Speed Streaming (ips)	MTBF (hrs)	Price
Total Tec Systems Inc. 201 906-6500										
QD3MAG	8"	9T	Pertec	110M	160K	3200	100		7K	
QDMAG	8"	9T	Pertec	110M	160K	3200	100		7K	
QQ3MAG	8"	9T	Pertec	270M	750K	6250	100		7K	
QQMAG	8"	9T	Pertec	270M	750K	6250	100		7K	
QRtape-4mm	5.25"	Cart	SCSI	1.2G	183K	4mm	123		>50K	
QRTape-8mm	5.25"	Cart	SCSI	2.3G	4M	8mm	.429		>30K	
SCSI MAG	8"	9T	SCSI	270M	45M	6250	100		7K	
UM6250SS	8"	9T	Pertec	270M	750K	6250	100		7K	

TAPE SUBSYSTEMS

Model	# of Supported Drives	# of Supported Controllers	Recording Densities (bpi)	Type of Drive	Size of Drive	Device Interface	Tape Speeds (ips)	Storage Capacity (Bytes)	Host Interface	Buffer Size (Bytes)	TMSCP Emulation	Price
American Data Systems Marketing 617 341-0171												
GCR							75-200		U/B			$26,000+
GCR Streamer	4		6250/1600				75		U/Q	256K		$7,500
TDU 2435				R-R					UNIBUS			$23,900
TDU 2436				R-R					UNIBUS			$28,500
TDU 2442				R-R					UNIBUS			$10,000
TDU 2444	4		6250/1600	R-R			75		U/Q	256K	Y	$12,000
American Digital Systems 508 443-7711												
MasterTape 4	1-7	1		Cart	5.25"	SCSI	8.5M	1.3G	U/Q/B	512K	Y	$4,695
MasterTape 4/HSC	1-4			Cart	5.25"	SCSI	8.5M	1.3G		512K	Y	
MasterTape II	1-7	1		8M/Cart	5.25"	SCSI	429	2332M	U/Q/B	256K	Y	$4,995
MasterTape II/HSC	1-4	1		8M/Cart	5.25"	SCSI	429	2332M		256K	Y	
Applied Digital Systems 716 377-7000												
AD400	7			4mm	5.25"	SCSI	20-100	1.3G	U/Q		Y	$2,295
AD6250	4		6250	9T	8"	Pertec/SCSI	50-100	320M	U/Q	256K	Y	$8,995
AD8200	7			8mm	5.25"	SCSI		2.3G	U/Q		Y	$3,495
ADS 1500	4		1600/3200	9T	8"	Pertec/SCSI	20-100	80M	Q/SCSI		Y	$4,950
Aviv Corporation 617 933-1165												
S 2925	4	1	1600/6250	9T		SCSI	100	140M	U/Q/SCSI	512K	Y	$13,000
S 9914	4	1	800/6250	9T	8.75"	SCSI	125	140M	BI/SCSI	512K	Y	$8,600+
TFS 1953	4	1	800/6250	9T		STK	50-125	140M	U/Q/B		Y	$35,000
TFS 2925	4	1	1600/6250			STK/Pertec	100		U/Q	256K		
TFS 3480	4	1	1600	18T	.5"	STK/SCSI		200M	U/Q/B	3M	Y	
TFS 8200-SB		1		9T	8mm	SCSI		2.3G		256K		$3,800
TFS 845D-8200	4	1			8mm			2.3G	UNIBUS	320K		$4,950
TFS 935D-8200	4	1			8mm	SCSI		2.3G	Q-bus	320K		$4,500
TFS 990	4	1	1600/6250			Pertec			U/Q	256K		



Take a Closer Look: 2.0 GB of Storage in a 3½" Form Factor.

When ARDAT™ released the first PYTHON™ DDS DAT drive for computer data storage, we knew we were on to something big. High capacities. High performance. And high quality.

Great Technology Comes In Small Packages Too.

Now, with ARDAT's advancements in miniaturization and LSI, the world's first DAT drive with a SCSI interface is available in a 3½ inch form factor. The PYTHON DAT model 4320NT offers unmatched system integration capabilities-no other multi-gigabyte device comes close-not even 8mm tape.

Introducing True Computer Grade DAT II.

The new PYTHON DAT model 4320NT uses the same computer grade DAT design and firmware found in ARDAT's original PYTHON family of DAT systems. No belts. No spring levers. Microprocessor controlled direct drive reel motors. And, no mechanical mode changes.The PYTHON DAT model 4320NT, truly the only 2.0 gigabyte tape drive on the market today engineered specifically for computers, without using adapted audio or video tape mechanisms.

So, take a closer look. Find out more about True Computer Grade DAT II. Call ARDAT, an Archive Company at:

1-800-FAST-TAPE

ARDAT™
AN ARCHIVE COMPANY

See us at COMDEX, Booth # 1108.

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TAPE SUBSYSTEMS

Model	# of Supported Drives	# of Supported Controllers	Recording Densities (bpi)	Type of Drive	Size of Drive	Device Interface	Tape Speeds (ips)	Storage Capacity (Bytes)	Host Interface	Buffer Size (Bytes)	TMSCP Emulation	Price
CMS Enhancements Inc. 714 259-9555												
CDAT 13/LL			43.2K	Cart	4mm	SCSI	150	1.3G	UNIBUS	512K	Y	$5,800
CXB22/Q			43.2K		8mm	SCSI	150	2.2G	Q-bus	256K	Y	$5,528
Codar Technology Inc. 303 776-0472												
809MT	8	4	3200	9T	.5"		100	46M	U/Q		Y	
Contemporary Cybernetics Group Inc. 804 873-0900												
CY 8200-H81	8		35m	Cart	8mm	SCSI	429	2.3G	HSC	256K	Y	
CY 8200-PIF			35m	Cart	8mm	Pertec	429	2.3G	U/Q	1.25M		
CY 8200-Q11			35m	Cart	8mm	SCSI	429	2.3G	Q-bus	256K		
CY 8200-Q81	7	7	35m	Cart	8mm	SCSI	429	2.3G	Q-bus	256K	Y	
CY 8200-T81	8		35m	Cart	8mm	SCSI	429	2.3G	TU/TA81	256K	Y	
CY 8200-U11			35m	Cart	8mm	SCSI	429	2.3G	UNIBUS	256K		
CY 8200-U81	4		35m	Cart	8mm	SCSI	429	2.3G	UNIBUS	256K	Y	
DILOG 714 937-5700												
RTAORM1-2X2480	2	1		3480	8"	SCSI			HSC		Y	
RTAORM1-2x8MM	1	1		8mm	5.25"	SCSI		4.6G	HSC		Y	
STDOTT1-1x4MMS	1	3		4mm DAT	5.25"	SCSI		1.36G	U/Q/W		Y	
STDOTT1-1x8MM	1	5		8mm	5.25"	SCSI		2.3G	U/Q/W		Y	
Dynatek Automation Systems Inc. 416 636-3000												
08MT23ET-MV2	2	2	43.2K	8mm	5.25"	SCSI	429	5000M	Q-bus	256K	Y	$7,767
8MT23ET-MU2	1	2	43.2K	8mm	5.25"	SCSI	429	2500M	Q-bus	256K	Y	$4,678
8MT23ET-MV3	1	2	43.2K	8mm	5.25"	SCSI	429	2500M	Q-bus	256K	Y	$4,912
8MT23ET-STN	1		43.2K	8mm	5.25"	SCSI	429	2500M		256K	Y	$3,337
8MT23ET-UBS	1	2	43.2K	8mm	5.25"	SCSI	429	2500M	UNIBUS	256K	Y	$5,065
D8MT23ET-MV3	2	2	43.2K	8mm	5.25"	SCSI	429	5000M	Q-bus	256K	Y	$8,010
D8MT23ET-STN	2		43.2K	8mm	5.25"	SCSI	429	5000M		256K	Y	$6,421
D8MT23ET-UBS	2	2	43.2K	8mm	5.25"	SCSI	429	5000M	UNIBUS	256K	Y	$8,166
DAT13WT-MU2	1	2	61K	8mm	5.25"	SCSI	123	1300M	Q-bus		Y	$3,756
DAT13WT-MU3	1	2	61K	4mm	5.25"	SCSI	123	1300M	Q-bus		Y	$3,997
DAT13WT-STN	1		61K	4mm	5.25"	SCSI	123	1300M			Y	$2,859
DAT13WT-UBs	1	2	61K	4mm	5.25"	SCSI	123	1300M	UNIBUS		Y	$4,150
Emulex Corporation 714 662-5600												
EH23	14	2	43.2K	Cart	8mm	SCSI	429	2.3G	U/Q	256K	Y	$5,600+
S13C07/J	2	1	1600/6250	Cipher	.5"		70-100	180M	U/Q		Y	$13,545+
S13C07/Q	2	1	1600/6250	Cipher	.5"		70-100	180M	U/Q		Y	$13,545+
S14C071Q	2	1	6250	9T	1/2"	ESDI	100	180M	Q-bus		Y	$8,800+
S70C07	2	1	6250	9T	1/2"	ESDI	100	46M	UNIBUS		Y	$14,885+
Exabyte Corporation 303 442-4333												
EXB-8200	1	1	43.2K	Cart	8mm	SCSI	.43	2.5G	U/Q	256K	Y	$3,850
EXB-8500	1	1	45.4K	Cart	8mm	SCSI	.43	5G	U/Q	1M	Y	$6,735
Honeywell 303 773-4491												
VLDS	8		50K	Cart	19"	SCSI		10G				
Lago Systems 408 374-1818												
LS/200T	4	2	43.2K	8mm	5.25"	SCSI	5	2.3G	STI	512K	Y	$18,000+
LS/280T	4	2	37.871	Cart	8	SCSI	78.7	200M	STI	512K	Y	$52,000+
Megatape Corporation 818-357-9921												
Innov8	7	1	54K	Cart	8mm	SCSI	450	606G	BIbus	1M	Y	
MAP-8013	7	1	54K	Cart	8mm		150	2G	Q-bus	256K	Y	

NOW THAT 10GB FITS ON AN 8MM TAPE, WHAT ARE YOU WAITING FOR?



You don't need to wait hours to change tapes.

You don't need to wait months for other storage technologies to catch up.

One 8mm tape drive will already deliver more than they promise.

It's the digital CY-8200, now with optional data compression. And you can get it exclusively from Contemporary Cybernetics Group.

With data compression, the CY-8200 can quadruple the amount of data you can load on an 8mm cassette that fits neatly in your shirt pocket. Meaning the already tremendous savings in man hours, media costs, storage and shipping are multiplied by four.

Until now, the best 8mm drive on the market stored an impressive 2.5 GB per tape at speeds up to 15 MB per minute.



True "Plug-And-Play" Compatibility With:

Alliant	DEC 3100	IBM S/36	Pertec
Alpha Micro	DEC HSC	IBM AS/400	Plexus
Altos	DEC Q-Bus	Macintosh	Prime
Apollo	DEC TU/TA81	NCR	Pyramid
Arix	DEC Unibus	Novell	Sequent
AT&T	Gould	PC 386/ix	Sun
Convergent	HP	PC MS-DOS	Unisys
Data General	IBM RT	PC Xenix/Unix	Wang

and more...

Our data compression option allows you to write up to 10 GB per tape at up to 60 MB per minute. Completely unattended.

Of course, the data compression feature is switch-selectable, so you can turn off data compression to read and write standard 8mm tapes.

Plus it's a simple upgrade for the best tape drive built: our CY-8200. Offering a complete range of standard interfaces, a 2-line, 40-column display option, and optional security card encryption. And assuring you of full support and a 12-month warranty from the leader in advanced 8mm helical scan technology.



The CY-8200 with data compression will remain the best value in data storage for a long time to come. So now you've got many good reasons for calling us today at (804) 873-0900 and no good reason for waiting.

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TAPE SUBSYSTEMS

Model	# of Supported Drives	# of Supported Controllers	Recording Densities (bpi)	Type of Drive	Size of Drive	Device Interface	Tape Speeds (ips)	Storage Capacity (Bytes)	Host Interface	Buffer Size (Bytes)	TMSCP Emulation	Price
Megatape Corporation 818-357-9921 (continued)												
MAP-8014	7	1	54K	Cart	8mm		150	2G	UNIBUS	256K	Y	
MAP-8015	7	1	54K	Cart	8mm		150	2G	Q-bus	256K	Y	
MAP-8216	7	1	54K	Cart	8mm		150	2G	BIbus	256K	Y	
Micro Technology Inc. 714 693-2345												
MA-100	4		1600/6250	9T		STI/SCSI	50-100	145M	U/Q/HSC		Y	$35,000
Micro Technology Inc. 714 693-2345 (continued)												
MA-200	4	2	1600/6250	9T		STI	200	145M	U/Q/HSC	512K	Y	$66,000
MA-224	2	2	43.2K	Cart	5.25"	SCSI	150	4.6	HSC/STI	768K	Y	$26,700
MA-24	1	2	43.2K	Cart	5.25"	SCSI/STI	150	4G	U/Q/HSC	768K	Y	$20,000
MA-240	2	2	61	Cart	5.25"	SCSI/STI	123	1.36	U/Q/HSC	512K	Y	$26,700
MA-292	2	2	871	Cart		SCSI/STI	78	410M	U/Q/HSC	2.5M	Y	$85,000
MA-40	1	2	61K	Cart	5.25"	SCSI	123	1.3	U/Q/HSC	512K	Y	$20,000
MA-92	1	2	37871	Cart		SCSI/STI	78	205M	U/Q/HSC	2.5M	Y	$60,000
MSTG-01	1	1	61K	Cart	5.25"	SCSI/STI	150	2.3G	UNIBUS	768K	Y	$8,500
MSTG-02	2	1	61K	Cart	5.25"	SCSI	150	4.6G	UNIBUS	768K	Y	$14,500
MTQ-223	2	1	35m	Cart	5.25"		150	4G	Q-bus	768K	Y	$14,000
MTQ-23	1	1	35m	Cart	5.25"	SCSI	150	2G	Q-bus	768K	Y	$7,500
Summus Computer Systems 713 492-6611												
448Tape				18T				246M	U/Q		Y	
DataTape									UNIBUS		Y	$4,900+
GigaTape-1.2				Cass	4mm			2.33G				$6,995
GigaTape-1000	8		14K	Cass	4mm		150	125G	UNIBUS	256K	Y	
GigaTape-442	8		14K	Cass	4mm		150	2.33G	UNIBUS	512K	Y	$4,200+
GigaTape-452	8		14K	Cass	4mm		150	1.2G	UNIBUS	512K	Y	
JBL 125	2	1	14K	Cass	4mm	SCSI	150	125G	UNIBUS	256K	Y	
MassTape	8		1600/6250	9T	.5"		25-200	2.33G	UNIBUS	512K	Y	$1,900+
ST-1300	7	1	6000	Cass	4mm	SCSI	123	2.33G	U/Q	512K	Y	
ST-2300	7	1	14K	Cass	4mm	SCSI	150	2.33G	UNIBUS	512K	Y	
Transitional Technology Inc. 714 693-1133												
CTS-8	4+		43.2K	Cass	8mm		150	2.3G	U/Q	256K	Y	$5,395+
CTS-8000	4+		43.2K	Cass	8mm		150	2.3G	U/Q	256K	Y	$6,595+
CTS-820	4		43.2K	Cass	8mm		150	4.0G	HSC	1M	Y	$18,000
Trimarchi Inc. 814 234-5659												
8mm DEC Workstation	1			Cart	5.25"	SCSI		2G		256K	Y	$4,995
DATback for DEC	1			Cart	5.25"	SCSI		1.3G		512K	Y	$4,495
EtherTape 4mm	3	90		Cart	5.25"	SCSI		1.3G		512K	Y	$6,000
EtherTape 8mm	3	90		Cart	5.25"	SCSI		2G		256K	Y	$7,000
Q-bus 8mm Tape	4	7		Cart	5.25"	SCSI		2G	Q-bus	256K	Y	$5,475
Q-bus DATback	4	7		Cart	5.25"	SCSI		1.3G	Q-bus	512K	Y	$4,995
UNIBUS 8mm Tape	4	7		Cart	5.25"	SCSI		2G	UNIBUS	256K	Y	$5,790
UNIBUS DATback	4	7		Cart	5.25"	SCSI		1.3G	UNIBUS	512K	Y	$5,195
Tristar Technology 201 784-1557												
GS 3610-1D2	7	2	61K	4M	5.25"	SCSI	3.133M	1.8G	U/Q	1M	Y	$4,595
GS 6610-2R	2	1	61K	4M	5.25"	STI	3.133M	3.6G		1M	Y	$19,000
U. S. Design Corporation 301 577-2880												
Q-Stor Tape	1-2	1	4M		5.25"	SCSI		200K	U/Q		Y	

TAPE SUBSYSTEMS

Model	# of Supported Drives	# of Supported Controllers	Recording Densities (bpi)	Type of Drive	Size of Drive	Device Interface	Tape Speeds (ips)	Storage Capacity (Bytes)	Host Interface	Buffer Size (Bytes)	TMSCP Emulation	Price
Winchester Systems Inc. 617 933-8500												
HTH/F2	4	1		Cartridge	5.25"	SCSI		600M	HSC		Y	$39,995
HTQ/F2	4	1		Cartridge	5.25"	SCSI		600M	Q-bus		Y	$24,995
HTQ/T4	4	1		Cartridge	5.25"	SCSI		1300M	Q-bus		Y	$5,995
HTU/F2	4	1		Cartridge	5.25"	SCSI		600M	UNIBUS		Y	$25,495
HTU/T4	4	1		Cartridge	5.25"	SCSI		1300M	UNIBUS		Y	$6,495

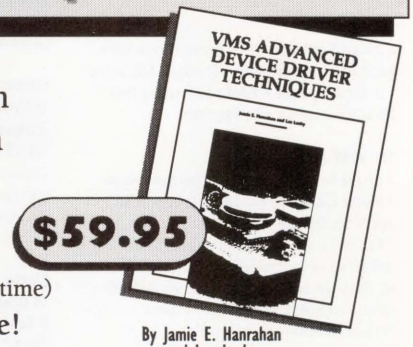
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DPHH1090

Tape Controllers

Aviv Corporation

QSA 2
SCSI Supported • Read Reverse Capability • Multiport Capability • 4M bps Transfer Rate • 1 y Warranty
Smart SCSI host adapter with multitasking/multithreading, disconnect-reconnect, up to 1MB cache buffer.

TFC 835C
4 Drives Supported • STC Supported • UNIBUS Supported • 1.5M bps Transfer Rate
Programmed to delay tape acceleration until a preset amount of data is transferred into the data buffer and then to interrupt as soon as the record is contained in the buffer on the controller.

TFC 845
4 Drives Supported • STK/Pertec Supported • Read Reverse Capability • Multiport Capability • UNIBUS Supported • 1.5M bps Transfer Rate • 1 y Warranty
Compatible with DEC operating systems RSX-11, TSX-11 PLUS, RT-11, VMS, UNIX, and Ultrix. Compatible with all .5" GCR tape drives equipped with STK interface operating up to 125 ips.

TFC 933
7 Drives Supported • SCSI Supported • Read Reverse Capability • Multiport Capability • Q-bus Supported • 2M bps Transfer Rate • TMSCP Emulation • 1 y Warranty
Compatible with DEC operating systems RT-11, TSX-11+, RSTS, RSX, Ultrix, UNIX, VMS. Supports 4mm, 8mm, 9-track tape drives.

TFC 935
4 Drives Supported • STK/Pertec Supported • Read Reverse Capability • Multiport Capability • Q-bus Supported • 1.5M bps Transfer Rate • TMSCP Emulation • 1 y Warranty

TFC 935D-1
4 Drives Supported • SCSI Supported • Read Reverse Capability • Q-bus Supported • 3M bps Transfer Rate • 1 y Warranty
TFC 935 and 935D-1 are programmed to delay tape acceleration until preset amount of data is transferred into data buffer, then interrupt as soon as record is contained in buffer on controller.

USA 2
7 Drives Supported • SCSI Supported • Read Reverse Capability • Multiport Capability • UNIBUS Supported • 4 M bps Transfer Rate • 1 y Warranty
Smart SCSI host adapter with multitasking/multithreading, disconnect-reconnect, up to 1MB cache buffer.

CMS Enhancements Inc.

CQS-20T
7 Drives Supported • SCSI Supported • Multiport Capability • Q-bus Supported • 2M bps Transfer Rate • TMSCP Emulation
Q-bus to SCSI controller supports DMA block mode. Utilizes error recovery algorithms to correct media errors that are concurrent with operating system backup/restore operations.

CUS-70T
7 Drives Supported • SCSI Supported • UNIBUS Supported • 2M bps Transfer Rate • TMSCP Emulation
Intelligent UNIBUS to SCSI controller that supports 16KB data buffering, command queuing, standard SCSI bus arbitration, disconnect, reconnect, and all SCSI commands.

Miltope Corporation

TC 11
4 Drives Supported • UNIBUS Supported • 120 d Warranty
The TC 11 is MIL qualified.

Sigma Information Systems

STC-TQK11/SCSI
SCSI Supported • UNIBUS Supported • TMSCP Emulation
Interfaces a SCSI cartridge tape drive to any DEC UNIBUS system with self-diagnostic features.

STC-TQK11A
QIC-02 Supported • UNIBUS Supported • TMSCP Emulation

STC-TSV11
2 Drives Supported • Q-bus Supported • TMSCP Emulation

Spectra Logic Corporation

S-121 +
4 Drives Supported • Pertec Supported • UNIBUS Supported • 1 M bps Transfer Rate • 1 y Warranty
Supports four disk drives (SMD) and four Pertec tape drives, including 8mm "Spectra-Tape" subsystem.

System Industries

9700 FCU
3 Drives Supported • SI 9700-53 Supported • UNIBUS Supported

Clustor 3
16 Drives Supported • Multiport Capability • U/Q Supported • 2.5 M bps Transfer Rate • TMSCP Emulation • 1 y Warranty
Clustor 3 enables VAX and MicroVAX computers to directly share a common database. Supports up to eight CPUs/16 disk drives.

Clustor 5
16 Drives Supported • Multiport Capability • U/Q Supported • 2.5 M bps Transfer Rate • TMSCP Emulation • 1 y Warranty
Clustor 5 uses a Disk Cache Processor that stores frequently accessed data in an 8MB cache memory for instant retrieval.

TDX Peripherals Inc.

TDX-1050
4 Drives Supported • Pertec/RS232 Supported • UNIBUS Supported • 1 y Warranty
The TDX-1050 features asynchronous and synchronous RS232 serial support up to 56K bps, an intelligent controller, programmable and non-programmable modes, as well as bisynchronous transparent protocol.

Tape Couplers

Emulex Corporation

TC13
1-4 Drives Supported • U/B Supported • On-Board Diagnostics • 1 y Warranty
High-speed, eight-bit, bipolar, microprocessor-based for formatted tape transports. Supports start/stop and streaming tape drives. They may not be mixed in one configuration.

TC7000
1-8 Drives Supported • UNIBUS Supported • On-Board Diagnostics
High-speed bipolar microprocessor-based for formatted tape transports. Supports start/stop and streaming tape drives, although they may not be mixed in one configuration.

Tape Drives

Applied Data Communications

CD-2500
.5" Drive • P/SCSI Supported • 46MBytes Storage
The CD-2500 is a standalone unit that transfers file images from source media to its 337MB internal disk drive and then to target tape or optical drive.

ARDAT Inc.

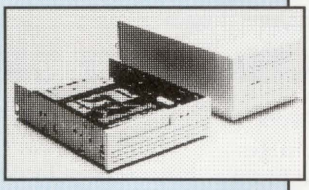
4315ND
3.5" Drive • BASIC Supported • 2GBytes Storage
The Python DAT family of true compute-grade drives includes a 3.5 inch BASIC drive for easy integration of DAT technology by large OEM's.

4320NT
3.5" Drive • SCSI Supported • 2GBytes Storage
The Python DAT family of true computer-grade drives includes a 3.5 inch internal mount with 1.3 and 2.0 gigabytes of capacity.

4330XT/4331XT
3.5" Drive • SCSI Supported • 2GBytes Storage
The true computer-grade python DAT family includes two 3.5 inch external drives with 1.3 and 2.0 gigabyte capacities and a worldwide power supply.

ARDAT Inc.

ARDAT™
An Archive Company



ARDAT Inc., an Archive Company, is delivering in production quantities its Python DAT family of 5-1/4" half-height drives that provide a capacity of 1.3 gigabytes on one 4mm DDS cassette.

■ These drives are true computer-grade DAT peripherals with four direct drive motors that eliminate belts and mechanical mode changes. Features include hardware- and software-selectable SCSI-1 and SCSI-2 interface formats along with a standard 512KB data buffer or 1MB optional. With a 20-second average access time and a 34-second initialize and mount time, the Python DAT drive is the fastest 4mm DAT in the industry.

4520NT/4521NT
5.25" Drive • SCSI Supported • 2GBytes Storage
The Python DAT family of true computer grade drives includes two 5.25 inch half height internal mount drives with 1.3 and 2.0 gigabytes of capacity.

4590
5.25" Drive • SCSI Supported • 10GBytes Storage
The Python DAT family of true computer-grade drives includes 5.25 inch half height loader drive which holds up to five 2.0 gigabyte cassettes.

Cipher Data Products Inc.

F880
8.75" Drive • SCSI/Cipher Pertec Supported • 46MBytes Storage
The F880 Microstreamer is equipped with a microprocessor; a coupler is required.

F880-II
8.75" Drive • SCSI/Cipher Pertec Supported • 92MBytes Storage
The F880 Microstreamer II is equipped with a microprocessor; however, a coupler is required. Read and write access times are 120ms.

F880ES
8.75" Drive • Embedded SCSI Supported • 92MBytes Storage
The F880ES Microstreamer is equipped with a microprocessor; coupler is required. Its 92MB storage capacity and 64K buffer is ideal for a variety of applications.

M890
.5" Drive • SCSI Supported • 46MBytes Storage

M891
.5" Drive • SCSI Supported • 46MBytes Storage
Cache tape drives that feature both a microprocessor and a DMA controller, which supervise the drive and data management functions of the cache.

M995
.5" Drive • SCSI Supported • 46MBytes Storage
The M990 GCR tape drive provides industry-standard 9-track data interchange and exceptional backup performance while streaming out the highest possible speed.

ST150S
.5" Drive • SCSI Supported • 180MBytes Storage

Dynatek Automation Systems Inc.

CST1300T-SC
5.25" Drive • SCSI Supported • 1.3GBytes Storage
4mm cartridge SCSI tape drive, 1.3GB capacity per cartridge. DDS (Sony) format. H/H or full height units.

CST2300-SC
5.25" Drive • SCSI Supported • 2.3GBytes Storage
8mm cartridge SCSI tape drive, 2.3GB capacity per cartridge.

CST6250/160T-SC
5" Drive • SCSI Supported • 270MBytes Storage
5" reel-to-reel tape drive. Rackmounted or desktop, with SCSI or Pertec interface.

Kennedy Company

9610
.5" Drive • Pertec Supported • 270MBytes Storage

9612
.5" Drive • SCSI Supported • 270MBytes Storage
The 9610 and 9612 feature extensive power up and off line diagnostics. The read and write data access times for 800/1600/3200 formats are 4.2ms and 3.8ms, respectively.

9660
.5" Drive • Pertec Supported • 270MBytes Storage

9662
.5" Drive • SCSI Supported • 270MBytes Storage
Feature extensive power up and off-line diagnostics. The read and write data access times for 800/1600/3200 formats are 4.2ms and 3.8ms, respectively.

Megatape Corporation

Innov8 Tape Array
8mm Drive • SCSI Supported • 6.6GBytes Storage
Innov8 tape array uses three 8mm drives to provide a throughput three times that of a single drive. Data shared between drives similarly to disk striping.

MAP-8110
8mm Drive • Pertec Supported • 2GBytes Storage
MAP-8110 is an 8mm backup tape drive with 1.25MB of cache memory. Features two-line, 32-character LCD display providing status information and performance statistics.

Miltope Corporation

AT-1161
.5" Drive
The AT-1161 is MIL qualified.

Performark Inc.

CompacTape
.5" Drive • 95MBytes Storage

Pinnacle Micro Inc.

DAT-1300
SCSI Supported • 1.3GBytes Storage
DAT-1300 utilizes a Sony helical scan 4mm tape drive, and can access up to 1.3GB with an access time of less than 20ms.

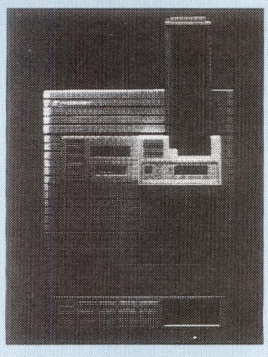
System Industries

SI2046
8mm Drive • SCSI Supported • 2.3GBytes Storage
With support for numerous functions including DCL copy multiple savesets, IL Tape and IL Exer, the SI2046 represents a total HSC backup solution.

SI2100
9GBytes Storage
The SI2100 Tape Subsystem provides 100ips streaming capabilities and is designed for disk data backup and software/data distribution applications.

System Industries

SYSTEM INDUSTRIES



SI2480
.5" Drive • STI Supported • 4GBytes Storage
■ The SI2480 is the tape subsystem that represents a total solution for the demanding VAXcluster storage environment. It blends high performance and high-capacity with industry-wide compatibility and proven reliability in a rackmountable HSC-compatible package.
The SI2480 conforms to the 18-track 2480 standard established by IBM, providing 200 MB capacity, or 400 MB capacity with the data compression option, in each rugged 1/2-inch type cartridge.
Providing significantly more performance than reel-to-reel or 8mm, the SI2480's 3 MB per second transfer rate is limited only by the HSC's bandwidth.

SI2700
STI Supported
Featuring 125 ips start/stop capabilities and three densities. The SI2700 delivers superior performance and versatility for data backup and software distribution.

SI59
8mm Drive • SCSI Supported • 2.3GBytes Storage
Available in rackmount, tabletop, or inside DEC BA123 configurations. The SI59 integrates easily into the DEC operating environment.

System Technology Associates

GT-4
5.25" Drive • SCSI Supported • 1.3GBytes Storage

GT-8/DQ
5.25" Drive • SCSI Supported • 2.5GBytes Storage
Both available in tower, tabletop, or rackmount for Q-bus, Unibar, or HSC attachment.

TDX Peripherals Inc.

TDX-450
Q/Q/SCSI Supported • 80MBytes Storage

TDX-50
Q/U/SCSI Supported • 44MBytes Storage

TDX-5000
Q/U/SCSI Supported • 160MBytes Storage

TDX-75
P/Q/U Supported • 44MBytes Storage

Total Tec Systems Inc.

QD3MAG
8" Drive • Pertec Supported • 110MBytes Storage
The Total Tec Q D3Mag is a Q-bus TMSCP-emulating 1600/3200 bpi tape subsystem for use on MicroVAX 3xxx systems utilizing the BA21x chassis.

QDMAG
8" Drive • Pertec Supported • 110MBytes Storage
The Total Tec QDMag is a Q-bus TMSCP-emulating 1600/3200 bpi streaming 1/2" tape subsystem available in both rackmount and tabletop versions.

QQ3MAG
8" Drive • Pertec Supported • 270MBytes Storage
The TTS Q Q3MAG is a Q-bus TMSCP-emulating Quad density 1/2" tape subsystem for use on MicroVAX 3xxx systems utilizing the BA21X chassis.

QQMAG
8" Drive • Pertec Supported • 270MBytes Storage
The Total Tec Q Q MAG is a Q-bus TMSCP-emulating quad density .5" tape subsystem available in both rackmount and tabletop versions.

QRtape-4mm
5.25" Drive • SCSI Supported • 1.2GBytes Storage
The Total Tec QRtape-4mm is a Q-bus 4mm DAT 1.2GB cartridge tape subsystem.

QRtape-8mm
5.25" Drive • SCSI Supported • 2.3GBytes Storage
The Total Tec QRtape-8mm is a Q-bus 8mm 2.3GB or 5GB cartridge tape subsystem.

SCSI MAG
8" Drive • SCSI Supported • 270MBytes Storage
The TTS SCSI MAG is a Quad density 1/2" tape subsystems available for use on Q-bus/UNIBUS and VME systems with SCSI host adapters.

UM6250SS
8" Drive • Pertec Supported • 270MBytes Storage
The Total Tec UM6250SS is a Quad density 1/2" tape subsystem for VME-based systems and is available in both rackmount and tabletop versions.

Tape Subsystems

American Data Systems Marketing

GCR
U/B Supported

GCR Streamer
4 Drives Supported • U/Q Supported

TDU 2435
UNIBUS Supported

TDU 2436
UNIBUS Supported
Equipped with a 256KB intelligent cache buffer.

The Industry Leader In Reel-To-Reel Tape Drives.

cipher®



Half-Inch Family

- Low price and small package.
- ANSI/IBM standard — 1600/3200/6250 bpi.
- Cache Tape interface — Microstreamer® compatible.
- High Performance — 790 KBS.
- Cache Start/Stop — streaming-plus.
- Downstream erase (M991) — increases data throughput.
- Improved Write — "Error-Free" Interface.
- Improved Read — Enhanced Multitrack Error Correction.
- Easy to use — auto-load/thread.
- Easy to maintain — on-board diagnostics.
- Supports tape speeds of 25 to 100 ips.
- Card, cable and powerful software combine to deliver an easy and economical Plug-N-Play subsystem for micro to mainframe direct interchange.
- Designed for Sun,® DEC,® IBM® PS/2, PC AT/XT, 386 and compatible.
- 8-bit half size board model features 64 KB FIFO buffer and 600 KB/s max. transfer rate.
- 16-bit full length board model features 128 KB FIFO buffer and 1.2 MB/s max. transfer rate.
- 16-bit full length Micro Channel board features 128 KB FIFO buffer, 1.2 MB/s max. transfer rate and optional selectable DMA's.

MESA TECHNOLOGY CORPORATION
9720 Patuxent Woods Dr.
Columbia, MD 21046
800/888-0567
An Electrocomponents Company

TDU 2442
UNIBUS Supported

TDU 2444
4 Drives Supported • U/Q Supported • TMSCP Emulation
The TDU 2442 emulates the TS11.

American Digital Systems

MasterTape 4
1-7 Drives Supported • 5.25" Drive • SCSI Supported • 1.3GBytes Storage • U/Q/B Supported • TMSCP Emulation
MasterTape 4 is a 4mm DAT-based tape backup system, providing high capacity, high data transfer rate and high data integrity.

MasterTape 4/HSC
1-4 Drives Supported • 5.25 Drive • SCSI Supported • 1.3GBytes Storage • TMSCP Emulation
MasterTape 4/HSC is a 4mm DAT-based tape backup system for DEC's HSC40, HSC50 or HSC70 providing high capacity, high data transfer rate and high integrity.

MasterTape II
1-7 Drives Supported • 5.25" Drive • SCSI Supported • 2332MBytes Storage • U/Q/B Supported • TMSCP Emulation
MasterTape II 8mm tape backup systems provide high capacity, high data transfer rate and high data integrity in a cost-effective package.

MasterTape II/HSC
1-4 Drives Supported • 5.25" Drive • SCSI Supported • 2332MBytes Storage • TMSCP Emulation
MasterTape II/HSC is an 8mm tape backup system for DEC's HSC40, HSC50, or HSC70, providing high capacity, high data transfer rate, and high integrity.

Applied Digital Systems

AD400
7 Drives Supported • 5.25" Drive • SCSI Supported • 1.3GBytes Storage • U/Q Supported • TMSCP Emulation
Half-height drive. Rackmount, tabletop, internal configuration available.

AD6250
4 Drives Supported • 8" Drive • Pertec/SCSI Supported • 320MBytes Storage • U/Q Supported • TMSCP Emulation
9-Track SCSI tape drive, compatible with VS3100, DS3100, DS5000.

AD8200
7 Drives Supported • 5.25" Drive • SCSI Supported • 2.3GBytes Storage • U/Q Supported • TMSCP Emulation
8mm available in rackmount, tabletop, juke box configuration.

ADS 1500
4 Drives Supported • 8" Drive • Pertec/SCSI Supported • 80MBytes Storage • Q-bus/SCSI Supported • TMSCP Emulation

Aviv Corporation

S 2925
4 Drives Supported • SCSI Supported • 140MBytes Storage • U/Q/SCSI Supported • TMSCP Emulation
Includes AVIV's GCR controller and an STK 2925 tape drive in a 60" cabinet and features tape auto load. Includes AVIV's high-performance Pinnacle Series, and more.

S 9914
4 Drives Supported • 8.75" Drive • SCSI Supported • 140MBytes Storage • BI/SCSI Supported • TMSCP Emulation
Very compact yet high-performance 9-track auto loading tape drive. Quad density, rackmount or desktop unit. Quiet operation.

TFS 1953
4 Drives Supported • STK Supported • 140MBytes Storage • U/Q/B Supported
Includes AVIV's GCR controller and an STK 1935/1953 formatter/drive in a 60" cabinet and features tape auto load.

TFS 2925
4 Drives Supported • STK/Pertec Supported • U/Q Supported
Includes AVIV's GCR controller and an STK 2925 tape drive in a 60" cabinet and features tape auto load.

TFS 3480
4 Drives Supported • .5" Drive • STK/SCSI Supported • 200MBytes Storage • U/Q/B Supported • TMSCP Emulation
The TFS 3480 is 100 percent compatible and media interchangeable with IBM 3480 cartridge tape systems. Compatible with VMS and Ultrix.

TFS 8200-SB
8mm Drive • SCSI Supported • 2.3GBytes Storage

TFS 845D-8200
4 Drives Supported • 8mm Drive • 2.3GBytes Storage • UNIBUS Supported
Differential drives are available to allow the system to use an 82-foot cable as well as a shielded cable.

TFS 935D-8200
4 Drives Supported • 8mm Drive • SCSI Supported • 2.3GBytes Storage • Q-bus Supported
Differential drives are available to allow the system to use an 82-foot cable as well as a shielded cable.

TFS 990
4 Drives Supported • Pertec Supported • U/Q Supported
Includes AVIV's GCR controller and CIPHER's 990 formatter/drive and features tape auto load.

CMS Enhancements Inc.

CDAT 13/LL
4mm Drive • SCSI Supported • 1.3GBytes Storage • UNIBUS Supported • TMSCP Emulation
CDAT13/u (4mm DAT subsystem) utilizes the digital data storage format recording technique and the standard SCSI error correction codes and error recovery algorithms.

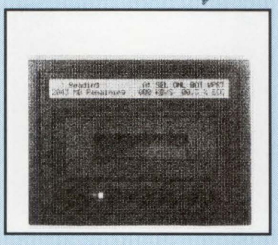
CXB22/Q
8mm Drive • SCSI Supported • 2.2GBytes Storage • Q-bus Supported • TMSCP Emulation
The CXB22/Q (Exabyte subsystem) utilizes the helical scan recording technique and the standard SCSI error correction codes and error recovery algorithms.

Codar Technology Inc.

809MT
8 Drives Supported • .5" Drive • 46MBytes Storage • U/Q Supported • TMSCP Emulation
Ruggedized top-loading, rackmountable tape drive with full MIL-STD-810D and 461B shock and vibration characteristics. Also meets TEMPEST requirements.

Contemporary Cybernetics Group

CONTEMPORARY CYBERNETICS Group



■ **The CY-8200 Series are high-speed, high-capacity 8mm helical scan tape backup subsystems that provide 2.5 GB of reliable, unattended backup at speeds of up to 15 MB per minute. The CY-8200 comes complete with 8mm tape drive housed in a tabletop cabinet with power supply, adaptor board, driver software, 10' cable set, 8mm tape, cleaning kit, and full twelve month warranty with support from our in-house engineering and technical support group. A 2-line, 40-column liquid crystal status display is available to provide complete drive status information, including command under execution, transfer rate, tape remaining and ECC. The CY-8200 line also offers a security feature that allows controlled access to data by use of a card key, and a data compression feature that increases storage capacity to up to 10 GB per tape at up to 60 MB per minute.**

Contemporary Cybernetics Group Inc.

CY 8200-H81
8 Drives Supported • 8mm Drive • SCSI Supported • 2.3GBytes Storage • HSC Supported • TMSCP Emulation
The CY-8200 series is a high-speed, high-capacity archival subsystem that interfaces as a TA81 tape drive to the HSC.

CY 8200-PIF
8mm Drive • Pertec Supported • 2.3GBytes Storage • U/Q Supported
The CY-8200 series is a high-speed, high-capacity archival subsystem that interfaces as a 9-track drive with any Pertec-compatible drive or controller.

CY 8200-Q11
8mm Drive • SCSI Supported • 2.3GBytes Storage • Q-bus Supported
The CY-8200 series is a high-speed, high-capacity archival subsystem that interfaces as a 9-track drive with TS11 emulation.

CY 8200-Q81
7 Drives Supported • 8mm Drive • SCSI Supported • 2.3GBytes Storage • Q-bus Supported • TMSCP Emulation
The CY-8200 series is a high-speed, high-capacity archival subsystem that interfaces as a 9-track drive with TU81 emulation.

CY 8200-T81
8 Drives Supported • 8mm Drive • SCSI Supported • 2.3GBytes Storage • TU/TA81 Supported • TMSCP Emulation
The CY-8200 series is a high-speed, high-capacity archival subsystem that interfaces to any DEC computer system with a TU81 or TA81 tape drive.

CY 8200-U11
8mm Drive • SCSI Supported • 2.3GBytes Storage • UNIBUS Supported
The CY-8200 series is a high-speed, high-capacity archival subsystem that interfaces as a 9-track drive with TS11 emulation.

CY 8200-U81
4 Drives Supported • 8mm Drive • SCSI Supported • 2.3GBytes Storage • UNIBUS Supported • TMSCP Emulation
The CY-8200 series is a high-speed, high-capacity archival subsystem that interfaces as a 9-track drive with TU81 emulation.

DILOG

RTAORM1-2X2480
2 Drives Supported • 8mm Drive • SCSI Supported • HSCXX Series Supported • TMSCP Emulation
3480 media-compatible subsystem including eight-cartridge stacker for a total capacity of GB of high performance unattended backup.

RTAORM1-2x8MM
1 Drive Supported • SCSI Supported • HSCXX Series Supported • TMSCP Emulation

STDOTT1-1x4MMS
1 Drive Supported • 5.25" Drive • SCSI Supported • 1.36GBytes Storage • U/Q/W Supported • TMSCP Emulation
Single-drive tabletop subsystem with 4mm drive featuring 1.3GB of formatted storage capacity and LCD status display panel.

STDOTT1-1x8MM
1 Drive Supported • 5.25" Drive • SCSI Supported • 2.3GBytes Storage • U/Q/W Supported • TMSCP Emulation
Single-drive tabletop subsystem with 8mm drive featuring 2.3GB of storage capacity and LCD status display panel.

Dynatek Automation Systems Inc.

8MT23ET-STN
1 Drive Supported • 5.25" Drive • SCSI Supported • 2500MBytes Storage • TMSCP Emulation

D8MT23ET-STN
2 Drives Supported • 5.25 Drive • SCSI Supported • 5000MBytes Storage • TMSCP Emulation
The Dynatek 8mm cartridge tape subsystems support all DEC operating systems. Monitors and displays current drive activity. Shipped complete with documentation and cables.

08MT23ET-MV2
2 Drives Supported • 5.25" Drive • SCSI Supported • 5000MBytes Storage • Q-bus Supported • TMSCP Emulation

8MT23ET-MU2
1 Drive Supported • 5.25" Drive • SCSI Supported • 2500Bytes Storage • Q-bus Supported • TMSCP Emulation

8MT23ET-MV3
1 Drive Supported • 5.25" Drive • SCSI Supported • 2500MBytes Storage • Q-bus Supported • TMSCP Emulation

8MT23ET-UBS
1 Drive Supported • 5.25" Drive • SCSI Supported • 2500MBytes Storage • UNIBUS Supported • TMSCP Emulation

D8MT23ET-MV3
2 Drives Supported • 5.25" Drive • SCSI Supported • 5000MBytes Storage • Q-bus Supported • TMSCP Emulation

D8MT23ET-UBS
2 Drives Supported • 5.25" Drive • SCSI Supported • 5000MBytes Storage • UNIBUS Supported • TMSCP Emulation
The Dynatek 8mm cartridge tape subsystems support all DEC operating systems. Monitors and displays current drive activity. Shipped complete with SCSI host interface and cables.

DAT13WT-MU2
1 Drive Supported • 5.25" Drive • SCSI Supported • 1300MBytes Storage • Q-bus Supported • TMSCP Emulation

DAT13WT-MU3
1 Drives Supported • 5.25" Drive • SCSI Supported • 1300MBytes Storage • Q-bus Supported • TMSCP Emulation

DAT13WT-UBS
1 Drive Supported • 5.25" Drive • SCSI Supported • 1300MBytes Storage • UNIBUS Supported • TMSCP Emulation
The Dynatek digital audio tape series supports all DEC operating systems. Monitors and displays current drive activity. Shipped complete with SCSI host interface and cables.

DAT13WT-STN
1 Drive Supported • 5.25" Drive • SCSI Supported • 1300MBytes Storage • TMSCP Emulation
The Dynatek digital audio tape series supports all DEC operating systems. Monitors and displays current drive activity. Shipped complete with documentation and cables.

Emulex Corporation

EH23
14 Drives Supported • 8mm Drive • SCSI Supported • 2.3GBytes Storage • U/Q Supported • TMSCP Emulation
The EH23 features helical scan recording technology. Is equipped with host adapter and cables. Provides unattended backup for MicroVAX II and MicroVAX 3xxx systems.

S13C07/J
2 Drives Supported • .5" Drive • 180MBytes Storage • U/Q Supported • TMSCP Emulation

S13C07/Q
2 Drives Supported • .5" Drive • 180MBytes Storage • U/Q Supported • TMSCP Emulation

S14C071Q
2 Drives Supported • .5" Drive • ESDI Supported • 180MBytes Storage • Q-bus Supported • TMSCP Emulation

S70C07
2 Drives Supported • .5" Drive • ESDI Supported • 46MBytes Storage • UNIBUS Supported • TMSCP Emulation
This magnetic tape subsystem includes Emulex tape controller or coupler, cable set, pre-tested tape drive, and subsystem diagnostics on appropriate media if required.

Exabyte Corporation

EXB-8200
1 Drive Supported • 8mm Drive • SCSI Supported • 2.5GBytes Storage • U/Q Supported • TMSCP Emulation
Standard features include advanced helical scan recording technology, integrated SCSI controller and formatter, industry standard 5.25" form factor, and an on-board error correction capability.

EXB-8500
1 Drive Supported • 8mm Drive • SCSI Supported • 5.0GBytes Storage • U/Q Supported • TMSCP Emulation
Standard features include integrated SCSI controller and formatter, industry standard 5.25" form factor, on-board error correction capability, and high-speed search up to 37.5 MB/sec.

Honeywell

VLDS
8 Drives Supported • 19" Drive • SCSI Supported • 10GBytes Storage

Lago Systems

LS/200T
4 Drives Supported • 5.25" Drive • SCSI Supported • 2.3GBytes Storage • STI Supported • TMSCP Emulation
LS/200T is a high-capacity 8mm cartridge tape subsystem that attaches directly to the Standard Tape Interface (STI) on a DEC HSC40/50/70 storage controller.

LS/280T
4 Drives Supported • 8mm Drive • SCSI Supported • 200MBytes Storage • STI Supported • TMSCP Emulation
LS/280T is a high-capacity 3480 cartridge tape subsystem that attaches directly to the Standard Tape Interface (STI) on a DEC HSC40/50/70 storage controller.

Megatape Corporation

Innov8
7 Drives Supported • 8mm Drive • SCSI Supported • 606GBytes Storage • Bibus Supported • TMSCP Emulation
Backup subsystem using Innov8 tape array providing a transfer rate up to 716KB/sec. and a capacity of 6.6GB. Each Innov8 appears as a single SCSI device.

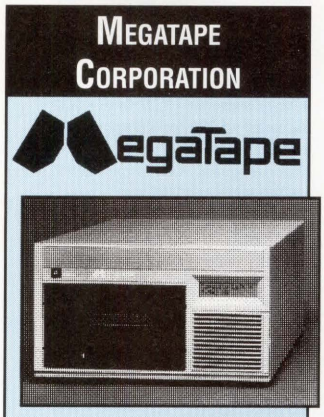
MAP-8013
7 Drives Supported • 8mm Drive • 2GBytes Storage • Q-bus Supported • TMSCP Emulation
MAP-8013 provides 2GB of back-up storage in 8mm cartridges for connection to the Q-bus in MicroVAX II systems. Compatible with TMSCP, VMS, Ultrix, and more.

MAP-8014
7 Drives Supported • 8mm Drive • 2GBytes Storage • UNIBUS Supported • TMSCP Emulation
MAP-8014 provides 2GB back-up storage in 8mm cartridges for connection to UNIBUS on VAX and PDP-11.

MAP-8015
7 Drives Supported • 8mm Drive • 2GBytes Storage • Q-bus Supported • TMSCP Emulation
Map-8015 provides 2GB back-up storage in 8mm cartridges for connecting to Q-bus or MicroVAX 3xxx.

MAP-8216
7 Drives Supported • 8mm Drive • 2GBytes Storage • Bibus Supported • TMSCP Emulation
Map-8216 provides 2GB in 8mm cartridges for direct connection to VAX BIbus. Compatible with TMSCP and VMS. No changes to operating system required.

Megatape Corporation



■ **MegaTape 8mm MAP Subsystems are available for attachment to VAXBI, UNIBUS and Q-bus systems. MegaTape direct attachment to the VAXBI bus is the first 8mm solution licensed to use VAXBI technology and containing DEC's own BIIC chip. A two-line, 32-character LCD display provides a wealth of status information and real-time performance data. Drives are available for tabletop or rack mounting and contain provision for the Data Compression Option which can provide up to a five-fold increase in capacity and throughput. Data Compression can be installed at the factory or later in the field.**

Micro Technology Inc.

MA-100
4 Drives Supported • STI/SCSI Supported • 145MBytes Storage • U/Q/HSC Supported • TMSCP Emulation

MA-200
4 Drives Supported • STI Supported • 145MBytes Storage • U/Q/HSC Supported • TMSCP Emulation
The MA-200's DSA architecture incorporates migration path designed to incorporate other high performance back-up devices such as IBM 3480 and 8mm tape cartridge systems.

MA-224
2 Drives Supported • 5.25" Drive • SCSI Supported • 4.6Bytes Storage • HSC/STI Supported • TMSCP Emulation

MA-24
1 Drive Supported • 5.25" Drive • SCSI/STI Supported • 4GBytes Storage • U/Q/HSC Supported • TMSCP Emulation
The Micro Technology MA-24 is a 2GB cartridge tape subsystem compatible with DEC HSC40, HSC50,and HSC70 servers. Supports a master with three slaves.

MA-240
2 Drives Supported • 5.25" Drive • SCSI/STI Supported • 1.36Bytes Storage • U/Q/HSC Supported • TMSCP Emulation

MA-292
2 Drives Supported • SCSI/STI Supported • 410MBytes Storage • U/Q/HSC Supported • TMSCP Emulation

MA-40
1 Drive Supported • 5.25" Drive • SCSI Supported • 1.3GBytes Storage • U/Q/HSC Supported • TMSCP Emulation

MA-92
1 Drive Supported • SCSI/STI Supported • 205MBytes Storage • U/Q/HSC Supported • TMSCP Emulation
The MA-92, 18-track 3480 IBM compatible tape subsystem is 100 percent HSC 40/50/70-compatible with pure DEC TA emulation.

MSTG-01
1 Drive Supported • 5.25" Drive • SCSI/STI Supported • 2.3GBytes Storage • UNIBUS Supported • TMSCP Emulation

MSTG-02
2 Drives Supported • 5.25" Drive • SCSI Supported • 4.6GBytes Storage • UNIBUS Supported • TMSCP Emulation

MTQ-223
2 Drives Supported • 5.25" Drive • 4GBytes Storage • Q-bus Supported • TMSCP Emulation

MTQ-23
1 Drive Supported • 5.25" Drive • SCSI Supported • 2GBytes Storage • Q-bus Supported • TMSCP Emulation
8mm cartridge tape systems compatible with all DEC Q-bus CPUs. Available in tabletop, rackmount or kit configurations. Upgradeable to MA-24. HSC-compatible via MTI-MA90.

Summus Computer Systems

448Tape
246MBytes Storage • U/Q Supported • TMSCP Emulation
Interchanges data between the IBM 3480 and DEC MicroVAX II/III and VAX systems.

DataTape
UNIBUS Supported • TMSCP Emulation

GigaTape-1.2
4mm Drive • 2.33GBytes Storage

GigaTape-1000
8 Drives Supported • 4mm Drive • 125GBytes Storage • UNIBUS Supported • TMSCP Emulation

GigaTape-442
8 Drives Supported • 4mm Drive • 2.33GBytes Storage • UNIBUS Supported • TMSCP Emulation

GigaTape-452
8 Drives Supported • 4mm Drive • 1.2GBytes Storage • UNIBUS Supported • TMSCP Emulation
The GigaTape series emulates DEC's TS11.

JBL 125
2 Drives Supported • 4mm Drive • SCSI Supported • 125GBytes Storage • UNIBUS Supported • TMSCP Emulation
The JBL emulates DEC's TMSCP.

MassTape
8 Drives Supported • .5" Drive • 2.33GBytes Storage • UNIBUS Supported • TMSCP Emulation
Emulates DECs TS11.

ST-1300
7 Drives Supported • 4mm Drive • SCSI Supported • 2.33GBytes Storage • U/Q Supported • TMSCP Emulation

ST-2300
7 Drives Supported • 4mm Drive • SCSI Supported • 2.33GBytes Storage • UNIBUS Supported • TMSCP Emulation
Emulate DEC's TMSCP.

Transitional Technology Inc.

CTS-8
4+ Drives Supported • 8mm Drive • 2.3GBytes Storage • U/Q Supported • TMSCP Emulation
The CTS-8 features helical scan technology. Its large capacity allows unattended back-up of large systems.

CTS-8000
4+ Drives Supported • 8mm Drive • 2.3GBytes Storage • U/Q Supported • TMSCP Emulation
The CTS-8000 offers the same features as the CTS-8 as well as a light panel to provide feedback regarding drive performance, multihost capabilities, and long line options.

CTS-820
4 Drives Supported • 8mm Drive • 4.0GBytes Storage • HSC Supported • TMSCP Emulation
The CTS-820 features helical scan technology. It connects directly to your HSC-5X-CA or DA board. Allows 46B+ of unattended backup of labor-clustered systems.

Trimarchi Inc.

8mm DEC Workstation
1 Drive Supported • 5.25" Drive • SCSI Supported • 2GBytes Storage • TMSCP Emulation
8mm cartridge tape for DEC workstations.

DATback for DEC
1 Drive Supported • 5.25" Drive • SCSI Supported • 1.3GBytes Storage • TMSCP Emulation
4mm cartridge tape for DEC workstations.

EtherTape 4mm
3 Drives Supported • 5.25" Drive • SCSI Supported • 1.3GBytes Storage • TMSCP Emulation
Ethernet-based 4mm tape cartridge for VAXclusters and DECnet.

EtherTape 8mm
3 Drives Supported • 5.25" Drive • SCSI Supported • 6Bytes Storage • TMSCP Emulation
Ethernet-based 8mm cartridge tape supporting VAXcluster and DECnet.

Q-bus 8mm Tape
4 Drives Supported • 5.25" Drive • SCSI Supported • 2GBytes Storage • Q-bus Supported • TMSCP Emulation
Q-bus-based 8mm cartridge tape subsystem.

Q-bus DATback
4 Drives Supported • 5.25" Drive • SCSI Supported • 1.3GBytes Storage • Q-bus Supported • TMSCP Emulation
Q-bus-based 4mm digital audio tape subsystem.

UNIBUS 8mm Tape
4 Drives Supported • 5.25" Drive • SCSI Supported • 2GBytes Storage • UNIBUS Supported • TMSCP Emulation
UNIBUS-based 8mm cartridge tape subsystem.

UNIBUS DATback
4 Drives Supported • 5.25" Drive • SCSI Supported • 1.3GBytes Storage • UNIBUS Supported • TMSCP Emulation
UNIBUS-based 4mm tape subsystem.

Tristar Technology

GS 3610-1D2
7 Drives Supported • 5.25" Drive • SCSI Supported • 1.8GBytes Storage • U/Q Supported • TMSCP Emulation
The Gemini series 4mm DAT is the first DAT subsystem shipped for DEC platforms. High-speed search, "incremental back-up" and "copy" operations supported.

GS 6610-2R
2 Drives Supported • 5.25" Drive • STI Supported • 3.6GBytes Storage • TMSCP Emulation
The Gemini GS 6610-2R is a direct connect, HSC compatible tape storage subsystem. Combines high reliability 4mm DAT with full function DEC control panel.

U. S. Design Corporation

Q-Stor Tape
1-2 Drives Supported • 5.25" Drive • SCSI Supported • 200KBytes Storage • U/Q Supported • TMSCP Emulation
A high-speed, high-density storage peripheral equipped with management processor (Intel 8088) that analyzes how the CPU stores and retrieves data from disk drives.

Winchester Systems Inc.

HTH/F2
4 Drives Supported • 5.25" Drive • SCSI Supported • 600MBytes Storage • HSC Supported • TMSCP Emulation
"FlashDAT": A HSC .5" cartridge backup system that copies 600MB of data at double the speed of all other tapes by conducting tape caching.

HTQ/F2
4 Drives Supported • 5.25" Drive • SCSI Supported • 600MBytes Storage • Q-bus Supported • TMSCP Emulation
"FlashDAT": A Q-bus .5" cartridge backup system that copies 600MB of data at double the speed of all other tapes by conducting tape caching.

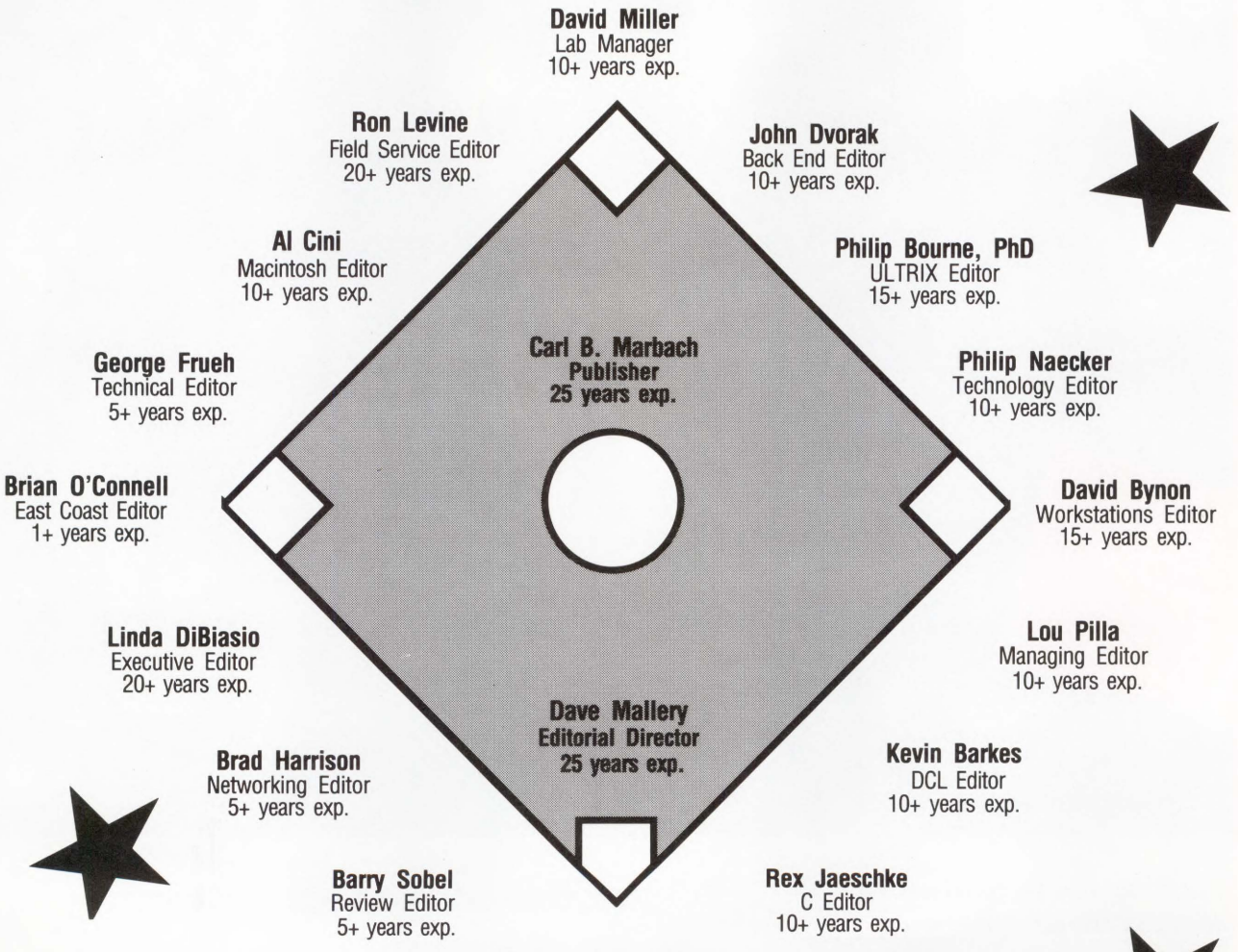
HTQ/T4
4 Drives Supported • 5.25" Drive • SCSI Supported • 1300MBytes Storage • Q-bus Supported • TMSCP Emulation
"FlashDAT": A Q-bus 4mm DAT backup system that copies 1.3GB of data at double the speed of all other DATs by conducting tape caching.

HTU/F2
4 Drives Supported • 5.25" Drive • SCSI Supported • 600MBytes Storage • UNIBUS Supported • TMSCP Emulation
"FlashDAT": A UNIBUS .5" cartridge backup system that copies 600MB of data at double the speed of all other tapes by conducting tape caching.

HTU/T4
4 Drives Supported • 5.25" Drive • SCSI Supported • 1300MBytes Storage • UNIBUS Supported • TMSCP Emulation
"FlashDAT": A UNIBUS 4mm DAT backup system that copies 1.3GB of data at double the speed of all other DATs by conducting tape caching.

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Fields the Deepest Team in the Industry

The 1990 DEC Computing All Stars



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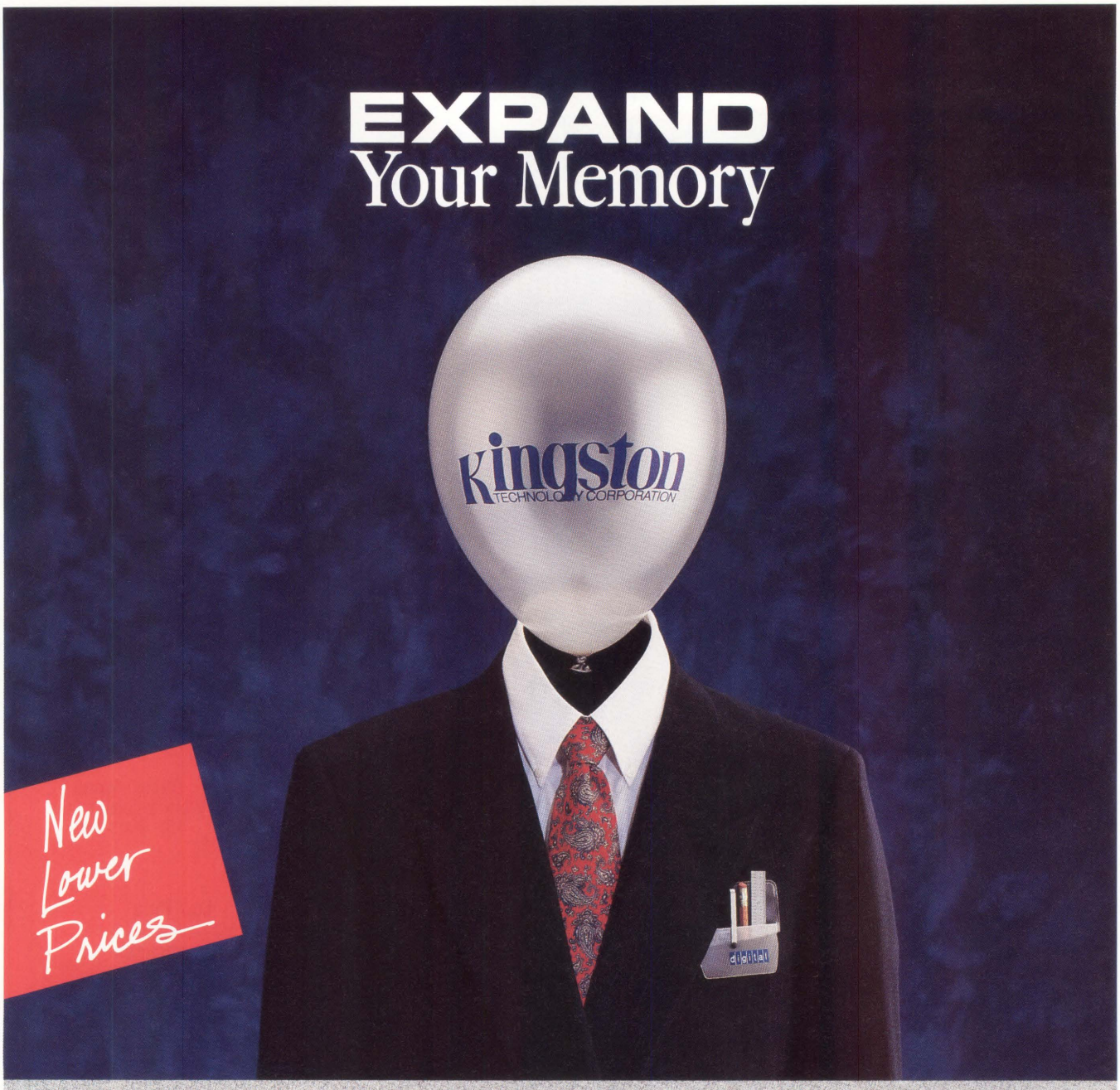
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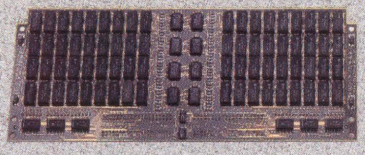
EXPAND
Your Memory



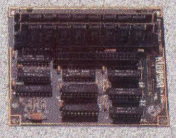
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For a system expanding experience, call us at (714) 545-6887.

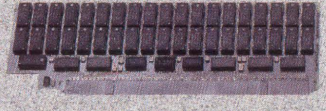
DECstation 5000 Expansion Boards!



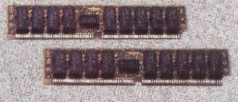
VAXstation 3100
8, 12, 16 MB Memory Expansion Boards



VT1000/1200 Terminals
1 MB Memory Upgrade



DECstation 5000
8, 32 MB Memory Expansion Boards



DECstation 3100
4 MB Memory Upgrade

Kingston
TECHNOLOGY CORPORATION

Manufacturers of a full line of memory products for:
Apple • AST • AT&T • Compaq • Epson • HP • IBM • NEC • Silicon Graphics • Sun • Toshiba • Zenith
Brand names mentioned are trademarked by their respective holders.

3023 South Harbor Boulevard • Santa Ana, California 92704 • (714) 545-6887 FAX (714) 545-2176

MEMORY

MEMORY BOARDS

Model	Max Board Capacity (Bytes)	Type of Memory	Target Machine	Host Interface	Read Access Time (ns)	RMW Access Time (ns)	Data Organization	ECC/EDC	Board Size	Warranty	Price
Camintonn Corporation 714 553-0247											
CMV-254	1M	DRAM		Q-bus	50	150	256KB MOS	N/N	Quad	life	
CMV-4000	4M	DRAM		Q-bus	50	150	256KB MOS	N/N	Quad	life	
CMV-504	2M	DRAM		Q-bus	50	150	256KB MOS	N/N	Quad	life	
CMX-1611	16M	SOJ	VAXstation/MicroVAX		100	100	1MB CMOS			life	
CMX-1631	16M	DRAM	MicroVAX II	Q-bus	100	100	1MB CMOS		Quad	life	
CMX-1651	16M	DRAM	MicroVAX 3xxx	Q-bus	100	100	1MB CMOS	Y/Y	Quad	5 y	
CMX-2411	24M	SOJ	VAXstation/MicroVAX		100	100	1MB CMOS			life	
CMX-2451	24M	DRAM	MicroVAX 3xxx	Q-bus	100	100	1MB CMOS	Y/Y	Quad	life	
CMX-811	8M	SOJ	VAXstation/MicroVAX		100	100	1MB CMOS			life	
CMX-830-E	8M	DRAM	MicroVAX II	Q-bus	100	100	1MB CMOS	Y/Y	Quad	life	
CMX-851	8M	DRAM	MicroVAX 3xxx	Q-bus	100	100	1MB CMOS	Y/Y	Quad	life	
CMX-871	8M	SOJ	DECstation 5000 Model	200			CMOS	Y/Y		life	$3,200
CMX1211	12M	SOJ	VAXstation/MicroVAX		100	100	1MB CMOS			life	
Chrislin Industries Inc. 818 991-2254											
CI-1123	256K	DRAM		Q-bus			64KB NMOS		Dual	life	
CI-1123+	1M	DRAM		Q-bus			256KB CMOS		Dual	life	
CI-1173	4M	DRAM		Q-bus	190		256KB CMOS	Y/Y	Quad	life	
CI-1173-EDC	2M	RAM		Q-bus	190		256KB CMOS	Y/Y	Quad	life	
CI-MIV16	16M	DRAM		Q-bus			1MB CMOS		Quad	life	
CI-MIV32	32M	DRAM		Q-bus			1MB CMOS	Y/Y	Quad	life	
CI-MIV4	4M	DRAM		Q-bus			256KB CMOS		Quad	life	
CI-MIV8	8M	DRAM		Q-bus			256KB CMOS		Quad	life	
CI-MIV8-EDC	8M	DRAM		Q-bus			1MB CMOS	Y/Y	Quad	life	
CI-PMI-EDC	4M	RAM		Q-bus	160		1MB CMOS	Y/Y	Quad	life	
CI-QBUS-EDC	4M	RAM		Q-bus	160		1MB CMOS	Y/Y	Dual	life	
CI-V53	1M	RAM		UNIBUS			64KB MOS	Y/N	HEX	life	
CI-VAX4	4M	RAM		UNIBUS			256KB MOS	Y/N	XH	life	
Clearpoint Research Corporation 800 253-2778											
DCME-M02/16	16M	ZIP DRAM	MicroVAX II	Q-bus	150		256KBx1		Quad	life	
DCME-M20/16MB	16M	SOJ	MV2000	Q-bus			1MBx1	N/N		life	
DCME-M20/8MB	8M	SOJ	MV2000				1MBx1	N/N		life	
DCME-M30/16MB	16M	1MB SOJ DRAM	MV3X00/V5400	Q/PMI			1MBx1	Y/Y	Quad	life	
DCME-M30/32MB	32M	SOJ	MV3X00/V5400	Q-bus			1MBx1	Y/Y	Quad	life	
DCME-M30/8MB	8M	1MB SOJ DRAM	MV3X00/V5400	Q/PMI			1MBx1 SOJ	Y/Y	Quad	life	
DCME-M31/12MB	12M	1MB DRAM	MV3100/VS3100	3100			1MB SOJ	N/N		life	
DCME-M31/16MB	16M	1MB DRAM	MV3100/VS3100	MV3100			1MB SOJ	N/N		life	
DCME-M31/8MB	8M	1MB DRAM	MV3100/VS3100	3100			1MB SOJ	N/N		life	
DCME-Q2B	2M	DIP DRAM	Q-bus	Q-bus	85	60	256KBx1	N/N	Dual	life	
DCME-Q4B	4MB	DIP DRAM	Q-bus	Q-bus	200	50	256KBx1	N/N	Quad	life	
DCME-Q4E	4M	DIP DRAM		Q-bus	60	130	256KBx1	Y/Y	Quad	life	
DCME-V86/16	16M	ZIP DRAM	VAX 86x0				1			life	
DCME-V86/64	64M	ZIP DRAM	VAX8600/8650	BIbus			1MBx1	Y/Y		life	
DCME-V88/64	64M	SOJ/DRAM	VAX 8x00	BIbus			1MBx1	N/Y		life	

MEMORY BOARDS

Model	Max Board Capacity (Bytes)	Type of Memory	Target Machine	Host Interface	Read Access Time (ns)	RMW Access Time (ns)	Data Organization	ECC/EDC	Board Size	Warranty	Price
Dataram Corporation 609 799-0071											
DR-1420	4-8M	DIP DRAM					1MB			life	
DR-2000/8	8M	ZIP DRAM		Q-bus			1MB CMOS			life	$2,900
DR-224	8M	DRAM		Q-bus	180		256KB NMOS		Quad	life	$2,600
DR-275/3	1M	DRAM		UNIBUS	270	270	64KB NMOS	Y/Y	HEX	life	$695
DR-275/5	1M	DRAM		UNIBUS	270	270	64KB NMOS	Y/N	HEX	life	$850
DR-275/8	1M	DRAM		UNIBUS	270	270		Y/N	HEX	life	$850
DR-278/1	1M	DRAM		UNIBUS	200	100	64KB NMOS	Y/N	XH	life	$1,125
DR-300/16	16M	DIP DRAM		Q-bus	230		1MB	Y/Y		life	$4,800
DR-300/32	32M	ZIP DRAM		Q-bus	230		1MB	Y/Y		life	$10,500
DR-300/8	8M	DIP DRAM		Q-bus	230		1MB	Y/Y		life	$2,895
DR-3100DS	2M	CMOS DRAM		3100			1MB			life	$1,200
DR-3100VS/SC/4	4M	CMOS DRAM		3100			1MB			life	$1,695
Digital Data Systems Inc. 305 792-3290											
DDS 750	1M	DRAM		UNIBUS	270	270			HEX	1 y	
DDS 780-1	1M	DRAM		UNIBUS	200	100			HEX	1 y	
DDS 780-4	4M	DRAM		UNIBUS	200	100			HEX	1 y	
DDS MV2-2	2M	DRAM		Q-bus	165				Quad	1 y	
DDS MV2-4	4M	DRAM		Q-bus	165				Quad	1 y	
DDS MV2-8	8M	DRAM		Q-bus	150				Quad	1 y	
Digital Instruments Corporation 800 222-IMAX											
QM256	4M	DRAM	LSI-11	Q-bus				N/N	Quad	1 y	$2,450
Dynatek Automation Systems Inc. 416 636-3000											
CST21/31D-4M	4M	CMOS DRAM	DECstation 2100/3100				1MB	CMOS	STMM	life	$850
CST31V-8M/12M/16M	16M	CMOS DRAM	VAXstation 3100				1MB			life	$1,400+
Kingston Technology Corp. 714 545-6887											
KTM-3100	4MB	SOJ		D$3100/DS2100			1MBx1			life	
KTV-1000	3MB	SOJ		VT1000			1MBx1			life	
KTV-1100	1MB	SOJ		VT1000			1MBx1			life	
KTV-3100/12	12MB	SOJ		VS3100			1MBx1			life	
KTV-3100/12NS	12MB	SOJ		VS3100			1MBx1			life	
KTV-3100/16	16MB	SOJ		VS3100			1MBx1			life	
KTV-3100/16NS	16MB	SOJ		VS3100			1MBx1			life	
KTV-3100/8	8MB	SOJ		VS3100			1MBx1			life	
MCS Computer Products Inc. 612 779-0536											
NX750-SPU				UNIBUS						life	$3,845+
Nemonix Inc. 800 435-8650											
NX2000-12	12M			Q-bus			1MB	N/N		life	
NX2000-16	16M	DRAM		Q-bus			1MB	N/N		life	
NX2000-8	8M	DRAM		Q-bus			1MB	N/N		life	
NX75-1	1M	DRAM		UNIBUS	270		1MB	Y/N	HEX	life	
NX75-4	4M	DRAM		UNIBUS	270		1MB	Y/N	HEX	life	
NX750-MU	4M	DRAM		UNIBUS			1MB	N/Y	XH/H	life	
NX750-SPU	4M	DRAM		UNIBUS			1MB	Y/N		life	
NX78-4	4M	RAM		UNIBUS	225		256KB	Y/N	XH	life	
NX78-8	8M	DRAM		UNIBUS	225		1MB	Y/N	XH	life	
NX86-16	16M	DRAM		BIbus			1MB	Y/N	XH	life	
NXII-16	16M	DRAM		Q-bus			1MB	N/N	Quad	life	



Nothing Is Faster Than A Great Team.

In sailing, great teamwork wins races. The combination of a powerful sailboat and a skilled crew can't be beat. For high performance computing, there's another team that can't be beat; your workstations and our memory.

You see, Dataram memory is the perfect teammate for your workstation. No other memory gives you more speed and high performance than our technically superior boards.

But we give you more than speed. We assure our memory's quality and reliability with a Lifetime Guarantee and The Express Spares Program. We price our memory quite competitively. And we support it with an expert technical staff. In fact, since 1967, we've offered a full line of high performance memory products — with speeds up to 250 MHz.

For the ultimate in high performance computing, team your workstation with our memory. It's an unbeatable combination.

DEC	**SUN**	**HP/Apollo**	**DG**
VAXstation 3100	3/260 3/280	DN2500	AViiON
VAXstation 3200-3900	3/470 3/480	9000/340 DN3000	MV series
VAXstation 2000	4/260 4/280	9000/360 DN3500	
DECstation 2100/3100	SPARC 330 SPARC 370	9000/350 DN4000	**IBM**
MicroVAX II/III/IV	SPARC 490	9000/370 DN4500	RISCSys 6000
VAX 6000 Systems	1MB/4MB SIMMs		

DATARAM

Your workstations, our memory. A powerful team.

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MEMORY BOARDS

Model	Max Board Capacity (Bytes)	Type of Memory	Target Machine	Host Interface	Read Access Time (ns)	RMW Access Time (ns)	Data Organization	ECC/EDC	Board Size	Warranty	Price
Nemonix Inc. 800 435-8650											
NXII-8	8M	DRAM		Q-bus			1MB	N/N	Quad	life	
NXii-E16	16M	DRAM		Q-bus			1MB	N/Y	Quad	life	
See First Technology Inc. 408 748-7717											
Simm Module Upgrade	2M	1M SOJ CMOS								life	
Standard Memories Corp. 800 543-3323											
BUSCOMM 70S	4096K	MOS RAM	PDP-11/70	Cache bus	550	100	64Kb RAM	Y/N		life	
PINCOMM 23SX	2M	DRAM		Q-bus	200	750	64Kb RAM	N/N	HEX	life	
PINCOMM 24S	1M	CMOS	PDP-11/24	UNIBUS	425	650	64KB RAM	N/N	Quad	life	
PINCOMM 3000S	16M	MOS	MicroVAX/3000		150	180	1M RAM	Y/Y	Quad	life	
Standard Memories Corp. 800 543-3323 (continued)											
PINCOMM 315	16M	SOJ	VAXstation 3100		150	400	1MB CMOS		4.2	life	
PINCOMM 31SX	24M	SOJ DRAMS	VAXstation 3100		150	400	1MB CMOS			life	
PINCOMM 44S	1M	MOS	PDP-11/44	UNIBUS	440	700	64KB RAM	Y/Y	HEX	life	
PINCOMM 616S	8-16M	MOS	MicroVAXX II	Q-bus	180	400	1MB RAM	N/N	Quad	life	
PINCOMM 73S	4M	MOS	PDP-11/73	Q-bus	150	110	256KB RAMs	N/N	Quad	life	
PINCOMM 750SD	1M	MOS RAM	VAX-11/750CA	UNIBUS	320	640	1MB RAM	Y/N	HEX	life	
PINCOMM 780SX	1M	MOS RAM	VAX-11/780	SBI	200	500	1MB RAM	Y/N	HEX	life	
PINCOMM 860SX	16M	MOS	VAX 8600/8650	BIbus	640		1MB RAM	Y/N	HEX	life	
Unbound Inc. 800 862-6863											
MUB24-08DC	8M	DRAM/SOJ	VS3100	VS3100			1MB			life	$1,250
MUB24-08SC	8M	DRAM/JOJ	VAXstation 3100	VS3100			1MB			life	$1,250
MUB24-12DC	12M	DRAM/SOJ	VAXstation 3100	VS3100			1MB			life	$1,950
MUB24-12SC	12M	DRAM/SOJ	VAXstation	VS3100			1M			life	$1,950
MUB24-16DC	16M	DRAM/SOJ	VAXstation 3100	VS3100			1M			life	$2,495
MUB24-16SC	16M	DRAM/SOJ	VAXstation	VS3100			1MB			life	$2,495
MUB24-20DC	20M	DRAM/SOJ	VAXstation 3100	VS3100			1M			life	$3,050
MUB24-24DC	24M	Dram/SOJ	VAXstation	VS3100			1M			life	
MUB32-04	4M	DRAM/SOJ	DECstation 3100				1M			life	$1,050

Memory Boards

Camintonn Corporation

CMV-254
1MByte Max. Board Capacity • Q-bus Supported • Lifetime Warranty

CMV-4000
4MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty

CMV-504
2MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Block mode DMA supported. On-board CSR is compatible to CSR on DEC memory boards; controls parity check, flags parity error and stores location of error.

CMX-1611
16MBytes Max. Board Capacity • Lifetime Warranty
16MB DRAM for VAXstation 3100. Fully compatible with VAXstation 3100, including DEC diagnostics. Enables use of existing memory in system.

CMX-1631
16MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Fully compatible with MicroVAX II systems, including diagnostics. On-board parity generated/checked and error reported for each byte.

CMX-1651
16MBytes Max. Board Capacity • Q-bus Supported • 5 y Warranty
Fully compatible with MicroVAX 3000 Series systems, including diagnostics. Board supports ECC capable of one-bit error correcting and two-bit error detecting.

CMX-2411
24MBytes Max. Board Capacity • Lifetime Warranty
24 MB SOJ for VAXstation 3100. Fully compatible with VAXstation 3100, including DEC diagnostics. Enables use of existing memory in system.

CMX-2451
24MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Fully compatible with MicroVAX 3000 Series systems, including diagnostics. Board supports ECC capable of one-bit error correcting and two-bit error detecting.

CMX-811
8MBytes Max. Board Capacity • Lifetime Warranty
8MB SOJ for VAXstation 3100. Fully compatible with VAXstation 3100, including DEC diagnostics. Enables use of existing memory in system.

CMX-830-E
8MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Fully compatible with MicroVAX II systems. Features on-board ECC capable of one-bit error correcting and two-bit error detecting; two-bit errors reported as parity error.

CMX-851
8MBytes Max. Board Capacity • Q-bus Supported • ECC/EDC • Lifetime Warranty
Fully compatible with MicroVAX 3000 Series systems, including diagnostics. Board supports ECC capable of one-bit error correcting and two-bit error detecting.

CMX-871
8MBytes Max. Board Capacity • DECstation 5000 Model 200 Supported • Lifetime Warranty
CMX-871 is an 8MB board with megabit DRAMs which allows a total of 120MB of memory for the DECstation 5000.

CMX1211
12MBytes Max. Board Capacity • Lifetime Warranty
12MB DRAM for VAXstation 3100. Fully compatible with VAXstation 3100, including DEC diagnostics. Enables use of existing memory in system.

Chrislin Industries Inc.

CI-1123
256KBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features on-board distributed refresh, battery back-up mode, and an on-board parity generator checker.

CI-1123+
1MByte Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features on-board distributed refresh, battery back-up mode, and an on-board parity generator checker with CSR.

CI-1173
4MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features block mode DMA with extended addressing to 36MB.

CI-1173-EDC
2MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features block mode DMA with extended addressing to 36MB, support software for DEC operating systems, and an extended control status register to diagnose soft RAM errors.

CI-MIV16
16MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features on-board parity and is fully compatible with the MicroVAX II.

CI-MIV32
32MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Fully compatible with DEC's MicroVAX 3000 series. Maximum 32MB in one slot in a BA23 box.

CI-MIV4
4MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty

CI-MIV8
8MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
The CI-MIV4 and MIV8 features on-board parity and are fully compatible with the MicroVAX II.

CI-MIV8-EDC
8MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features on-board control status register for error logging and MicroVMS II error logger support.

CI-PMI-EDC
4MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features block mode DMA, runs DEC software and diagnostics, and supports the PMI interface on PDP 11/83 and 11/84 systems.

CI-QBUS-EDC
4MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features block mode DMA and runs DEC diagnostics for LSI-11, J-11, and MicroVAX I computers.

CI-V53
1MByte Max. Board Capacity • UNIBUS Supported • Lifetime Warranty

CI-VAX4
4MBytes Max. Board Capacity • UNIBUS Supported • Lifetime Warranty

Clearpoint Research Corporation

DCME-M02/16
16MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features jumperless addressing and is fully MicroVAX II compatible.

DCME-M20/16MB
16MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty

DCME-M20/8MB
8MBytes Max. Board Capacity • Lifetime Warranty
The M20/8MB and M20/16MB provide memory for the MicroVAX 2000 with parity.

DCME-M30/16MB
16MBytes Max. Board Capacity • Q-bus/PMI Supported • Lifetime Warranty
Provides memory for the MicroVAX 3000 family, and MVAX 5400.

DCME-M30/32MB
32MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty

DCME-M30/8MB
8MBytes Max. Board Capacity • Q-bus/PMI Supported • Lifetime Warranty
Both M30/8MB and M30/32MB provide memory for the MicroVAX 3000 family, and MVAX 5400.

DCME-M31/12MB
12MBytes Max. Board Capacity • 3100 Supported • Lifetime Warranty

DCME-M31/16MB
16MBytes Max. Board Capacity • MV3100 Supported • Lifetime Warranty

DCME-M31/8MB
8MBytes Max. Board Capacity • 3100 Supported • Lifetime Warranty
The DCME-M31 series is designed for VAXstation 3100 series; allows users maximum flexibility to configure Models 38, 48, 30, and 40 systems to 16MB, 20MB, 24MB, or 32MB.

DCME-Q2B
2MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features block mode DMA, CSR, and battery back-up.

DCME-Q4B
4MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Features block mode DMA, CSR, and battery back-up.

DCME-Q4E
4MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty

DCME-V86/16
16MBytes Max. Board Capacity • lifetime Warranty
Feature DEC parity and memory diagnostic compatibility and a bank select option to extend addressing up to 60MB. Provide PDP-11/83 PMI-bus-compatible Q-bus memory. DCME-V86/16 requires only one slot.

DCME-V86/64
64MBytes Max. Board Capacity • BIbus Supported • Lifetime Warranty

DCME-V88/64
64MBytes Max. Board Capacity • BIbus Supported • Lifetime Warranty
Feature battery back-up, no switches and jumperless addressing. Access times are processor dependent. DCME-V86/64 requires only one slot. DCME-V88/64 also available in 16MB.

Dataram Corporation

DR-1420
4-8MBytes Max. Board Capacity • Lifetime Warranty
The DR-1420 features Dataram's lifetime warranty and is supported by the Express Spares program.

DR-2000/8
8MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
The Dataram DR-2000 is 100 percent hardware and software compatible with DEC MicroVAX 2000 and VAXstation 2000 computers, and with DEC MS400-CA memory. Includes lifetime warranty.

DR-224
8MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
The DR-224 is 100 percent hardware and software compatible with DEC MicroVAX II computers and MS650-CA memory. The DR-224 features lifetime warranty and Express Spares Program.

DR-275/3
1MByte Max. Board Capacity • UNIBUS Supported • Lifetime Warranty

DR-275/5
1MByte Max. Board Capacity • UNIBUS Supported • Lifetime Warranty

DR-275/8
1MByte Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
The DR275 series operates with, or in place of, DEC's MS730 memory board. The DR-275 is equipped with a lifetime warranty and is supported by Dataram's Express Spares Program.

DR-278/1
1MByte Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
The DR-278/1 operates with the DEC M8375 memory controller board. Please note that 1MB and 4MB boards may not be mixed within the same CPU.

DR-300/16
16MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
The DR-300/16 is 100 percent hardware and software compatible with DEC's MicroVAX/VAXstation 3X00 series and the MS650-BA/BF memory. The DR-300/16 is available from stock.

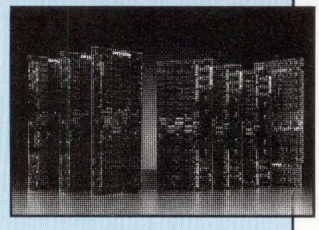
DR-300/32
32MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
The DR-300/32 is the first single board design to reach 32MB in the MicroVAX III world. Offered with Express Spares Program, it is 100 percent hardware and software compatible.

DR-300/8
8MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
The DR-300/8 is 100 percent hardware and software compatible with DEC's MicroVAX/VAXstation 3X00 series and the MS650-AA/AF memory module. The DR-300/8 is available from stock and comes with a lifetime warranty.

DR-3100DS
2MBytes Max. Board Capacity • 3100 Supported • Lifetime Warranty
The DR-3100DS is 100 percent hardware and software compatible with DEC's RISC-based DECstation 3100 workstation, and with the DEC MS01-AA memory. Sold in sets of two 2MB boards that come with a lifetime warranty.

DR-3100VS/SC/4
4MBytes Max. Board Capacity • 3100 Supported • Lifetime Warranty
DR-3100VS is 100 percent hardware and software compatible with the VAXstation 3100 workstation and gives Model 30 and Model 40 users 16MB and 24MB of memory.

Dataram Corporation



■ Dataram is a worldwide leader in the provision of high-quality, innovative memory products and services that improve the performance and productivity of workstations and minicomputers made by DEC, SUN, HP and DG. The company offers everything from add-in boards and solid-state disks to memory systems for high-speed data transfer. Among our DEC-compatible products are memory boards for DEC VAXstation 3100 and 3200 and DECstation 2100 and 5000/200 workstations.

Digital Data Systems Inc.

DDS 750
1MByte Max. Board Capacity • UNIBUS Supported • 1 y Warranty
DDS 750 utilizes 256Kx1 DRAM technology, providing lower power consumption, lower component count, higher reliability. Also available with socketed memory. Two spare memory chips also included.

DDS 780-1
1MByte Max. Board Capacity • UNIBUS Supported • 1 y Warranty
Sockets are available options.

DDS 780-4
4MBytes Max. Board Capacity • UNIBUS Supported • 1 y Warranty
This memory board features Digital Data's exclusive "Error-Free' operation, resulting in excellent operating reliability. Sockets are available options.

DDS MV2-2
2MBytes Max. Board Capacity • Q-bus Supported • 1 y Warranty

DDS MV2-4
4MBytes Max. Board Capacity • Q-bus Supported • 1 y Warranty
Digital Data System's "Error-Free" operation improves memory board operating reliability. Soft memory errors virtually eliminated by solid low-noise control and address signal flow.

DDS MV2-8
8MBytes Max. Board Capacity • Q-bus Supported • 1 y Warranty
The DDS MV2-8 is fully compatible with DEC diagnostics, has on board parity generation and checking and directly interfaces to high speed memory bus.

Digital Instruments Corporation

QM256
4MBytes Max. Board Capacity • Q-bus Supported • 1 y Warranty
The QM256 is a 4MB, I/O mapped board that does not use system address space and is independent of the MPU.

Dynatek Automation Systems Inc.

CST21/31D-4M
4MBytes Max. Board Capacity • DECstation 2100/3100 Supported • Lifetime Warranty
4MB memory kit for DECstation 2100/3100

CST31V-8M/12M/16M
16MBytes Max. Board Capacity • VAXstation 3100 Supported • Lifetime Warranty
Add-in, stackable and unstackable memory boards for VAXstation 3100 workstations.

Kingston Technology Corp.

KTM-3100
4MBBytes Max. Board Capacity • DS3100/DS2100 Supported • life Warranty
The 100% compatible KTM-3100 allows the expansion of DECstation 3100 and 2100 to the full 24MB maximum potential. Boards plug directly into CPU expansion slots.

KTV-1000
3MBBytes Max. Board Capacity • VT1000 Supported • life Warranty
The 100% compatible KTV-1000 memory controller board adds 1MB of memory and allows expansion of the VT1000 up to its full potential of 4MB.

KTV-1100
1MBByte Max. Board Capacity • VT1000 Supported • life Warranty
The 100% compatible KTV-1100 module adds 1MB of memory and allows the expansion of the VT1000 up to its full potential of 4MB.

KTV-3100/12
12MBBytes Max. Board Capacity • VS3100 Supported • life Warranty

KTV-3100/12NS
12MBBytes Max. Board Capacity • VS3100 Supported • life Warranty

KTV-3100/16
16MBBytes Max. Board Capacity • VS3100 Supported • life Warranty

KTV-3100/16NS
16MBBytes Max. Board Capacity • VS3100 Supported • life Warranty

KTV-3100/8
8MBBytes Max. Board Capacity • VS3100 Supported • life Warranty
The 100% compatible KTV-3100 Series allows expansion of VAXstation 3100 and MicroVAX/VAXserver 3100 memory board plugs directly into the CPU memory connector.

MCS Computer Products Inc.

NX750-SPU
UNIBUS Supported • Lifetime Warranty
The NX750-SPU is a memory upgrade and CPU enhancement kit that increases CPU throughput up to 30 percent; also available separately.

Nemonix Inc.

NX2000-12
12MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
A cost-effective alternative, the NX2000-12 upgrades systems to 14MB using 2MB resident memory. It is designed for the VAXstation 2000 and the MicroVAX 2000.

NX2000-16
16MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
The NX2000-16 is designed for the VAXsystem 2000 and the VAXstation 2000.

NX2000-8
8MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Designed for the VAX 2000 and VAXstations.

NX75-1
1MByte Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
The NX75-1 is a 1MB memory array for the VAX 11/750.

NX75-4
4MBytes Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
This board is designed for use in conjunction with the NX0075 or DEC's L0022 controller to provide 4MB of storage capacity.

NX750-MU
4MBytes Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
A memory upgrade kit for the VAX 11/750 Series. Includes a standalone memory diagnostic to verify memory integrity and to promote self-maintenance.

NX750-SPU
4MBytes Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
A special performance upgrade kit for the VAX 11/750 Series. It extends the life of the CPU by increasing its information processing up to 30 percent.

NX78-4
4MBytes Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
4MB main memory array for the VAX 11/780.

NX78-8
8MBytes Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
Cost-effective 1MB DRAM technology. Adding memory increases system performance up to 20 percent. 8MB memory array for the VAX 11/780.

NX86-16
16MBytes Max. Board Capacity • BIbus Supported • Lifetime Warranty
Features cost-effective 1MB DRAM technology. 16MB main memory array for the VAX 8600/DAX 8650.

NXII-16
16MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Compatible with MicroVAX II. Memory diagnostic is included for self-maintenance.

NXII-8
8MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
Compatible with MicroVAX II. Memory diagnostic is included for self-maintenance.

NXII-E16
16MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
The NXII-E16 memory board prevents MicroVAX II process/VMS halts due to single bit errors. The EDC scheme corrects all single-bit errors allowing the system to continue without halting.

See First Technology Inc.

Simm Module Upgrade
2MBytes Max. Board Capacity • Lifetime Warranty
The DEC 3100 RISC workstation Simm Module Upgrade may be upgraded to 24MB in 4MB increments. It provides high performance at substantially low prices.

Standard Memories Corp.

BUSCOMM 70S
4096KBytes Max. Board Capacity • Cache Bus Supported • Lifetime Warranty
The BUSCOMM 70S features socketed RAMs as well as two spare RAMs on board. Provides up to 4096KB in a 5 1/4" rackmountable chassis.

PINCOMM 23SX
2MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
This model includes socketed RAMs, block mode and standard selection 22-bit addressing.

PINCOMM 24S
1MByte Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
This model features socketed RAMs and is equipped with spare RAMs on board.

PINCOMM 3000S
16MBytes Max. Board Capacity • Lifetime Warranty
This model features socketed RAM and is equipped with spare RAMs on board, and is designed for MicroVAX/3000 Series and workstations. Also 8MB.

PINCOMM 315
16MBytes Max. Board Capacity • lifetime Warranty
Also available in 8MB and 12MB.

PINCOMM 31SX
24MBytes Max. Board Capacity • Lifetime Warranty

PINCOMM 44S
1MByte Max. Board Capacity • UNIBUS Supported • Lifetime Warranty

PINCOMM 616S
8-16MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty

PINCOMM 73S
4MBytes Max. Board Capacity • Q-bus Supported • Lifetime Warranty
PINCOMM 445, 6165 and 73S feature socketed RAMs and is equipped with spare RAMs on board.

PINCOMM 750SD
1MByte Max. Board Capacity • UNIBUS Supported • Lifetime Warranty
This board is compatible with DEC's MS750Dx memory upgrade kit. It includes socketed RAMs as well as two spare RAMs.

PINCOMM 780SX
1MByte Max. Board Capacity • SBI Supported • Lifetime Warranty
Used only with CPUs that have MS780E or MS780H memory. Boards with differing storage capabilities (1MB or 4MB) may not be mixed in one configuration.

PINCOMM 860SX
16MBytes Max. Board Capacity • Bibus Supported • Lifetime Warranty
This model features socketed RAMs and is equipped with two spare RAMs on board. Can be upgraded to 64MB capacity.

UNBOUND INC.

MUB24-08DC
8MBytes Max. Board Capacity • VS3100 Supported • Lifetime Warranty
Stackable 8MB memory board with dual connectors for the 3100 workstation.

MUB24-08SC
8MBytes Max. Board Capacity • VS3100 Supported • Lifetime Warranty
Stackable 8MB memory board with single connector for the 3100 workstation.

MUB24-12DC
12MBytes Max. Board Capacity • VS3100 Supported • Lifetime Warranty
Stackable 12MB memory board with dual connectors for the 3100 workstation.

MUB24-12SC
12MBytes Max. Board Capacity • VS3100 Supported • Lifetime Warranty
Stackable 12MB memory board with single connector for the 3100 workstation.

MUB24-16DC
16MBytes Max. Board Capacity • VS3100 Supported • Lifetime Warranty
Stackable 16MB memory board with dual connectors for the 3100 workstation.

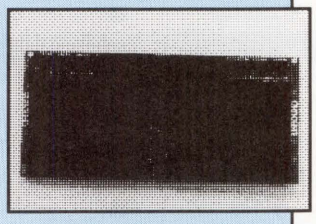
MUB24-16SC
16MBytes Max. Board Capacity • VS3100 Supported • Lifetime Warranty
Stackable 16MB memory board with single connector for the 3100 workstation.

MUB24-20DC
20MBytes Max. Board Capacity • VS3100 Supported • Lifetime Warranty
Stackable 20MB memory board with dual connector for the 3100 workstation.

MUB24-24DC
24MBytes Max. Board Capacity • VS3100 Supported • Lifetime Warranty
Stackable 24MB memory board with dual connector for the 3100 workstation.

UNBOUND INC.

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■ The MUB24XX is a unique memory board with an unprecedented 5 capacity configuration consisting of 8MB, 12MB, 16MB, 20MB and 24MB versions. The versitility of the MUB24XX allows the user to perfectly tailor the memory size to his/her application. The memory is available in 4MB increments, giving more accuracy in the system configuration than anyone else. The powerful 24MB configuration allows the 3100 user with an existing 8MB system to expand to the 32MB maximum without losing the existing DEC daughter board. All MUB24XX boards are compatible with DEC's MS42-AB/BA stackable array cards.

MUB32-04
4MBytes Max. Board Capacity • DECstation 3100 Supported • Lifetime Warranty
4MB dual Simm modules for DECstation 3100.

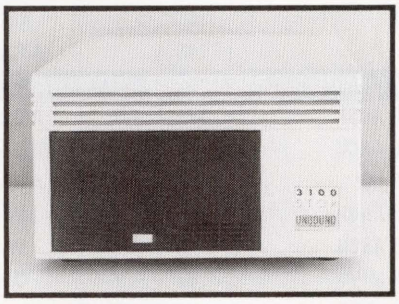
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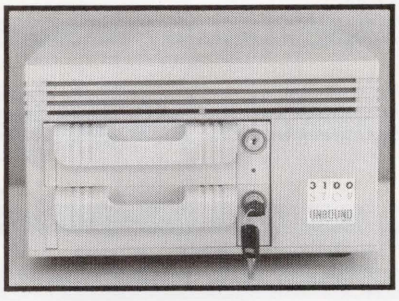
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TERMINALS & WORKSTATIONS

DISPLAY TERMINALS

Model	Monitor Size	Split Screen	Phosphor Color	# of Function Keys	Terminal Emulation	# of Rows	# of Columns	Max Baud Rate (bps)	Warranty	Price
Applied Digital Data Systems 516 231-5400										
ADDS 3220	14"	Y	A/G/W	22	VT52/100/220	24	80/132	19.2K	1 y	$595
ADDS 3320	14"	Y	A/G/W	22	VT320	25	80/132	19.2K	1 y	$595
ADDS 3320 TOUCH	14"	Y	A/G/W	22	VT320	25	80/132	19.2K	1 y	$1,595
Chi Corporation 216 349-8600										
MP-Series 2	14"	Y	A/G/W	22	VT100/102/220			19.2K	90 d	$875
Control Module Inc. 203 745-2433										
1409					VT52/100					
Direct Service and Repair 408 980-1414										
831	12"	Y			VT52/100	24	80/132			$895
VP828	12"	Y			VT52/VT100	24	80/132			$1,195
Electrohome Ltd. 519 744-7111										
EDM 926	9"		G							
EVM Series	9"-23"									$635
Esprit Systems Inc. 408 954-9900										
Esprit 400	14	Y	A/G/W	38	VT320/100	52	132	38.4K	1 y	$599
Opus 220	14"		A/G	18	VT52/100/220	25	80/132	38.4K	1 y	$569
Opus 3n1+	14"		A/G/W	16	VT220/100	24	80/132	38.4K	1 y	$599
Falco Data Products Inc. 800 835-2648										
Infinity G ANSI	14"	Y	A/G/W	116	VT320/220	50	132	38.4K	1 y	$645
Infinity G ASCII	14"	Y	A/G/W	116	VT100	50	132	38.4K	1 y	$645
Infinity G MP	14"	Y	A/G/W	116	VT320/200	50	132	38.4K	1 y	$645
Infinity S ANSI	14"	Y	W	116	VT320/200	50	132	38.4K	1 y	$545
Infinity S ASCII	14"	Y	W	116	VT100	50	132	38.4K	1 y	$545
Infinity S MP	14"	Y	W	116	VT320/200	50	132	38.4K	1 y	$545
System 4000X										
Human Designed Systems 800 437-1551										
HDS 2000	15"	Y	A/G/W	55	VT52/100/220	24	80/132	19.2K	1 y	$995
HDS 2010	15"	Y	A/G/W	55	VT52/100/220	25	80/132	19.2K	1 y	$1,295
Kimtron Corporation 800 828-8899										
760ST	14"	Y	A/G/W	24/48	VT52/VT100/VT320	24/26	80/132	38.4	1 y	$549
785ST	14"	Y	A/G/W	24/48	VT52/VT100/VT200	24/26	80/132	38.4	1 y	$499
Liberty Electronics 415 952-9588										
Freedom ONE Turbo	14"		A/G	15	VT52/100/220	24	80/132	38.4K		$599
Link Technologies Inc. 415 651-8000										
125	14"		A/G/W	32		24/25	80/132	38.4K	1 y	
220	14"	Y	A/G/W	38	VT100/132/220	26	80/132	38.4K	1 y	$595
220WP	14"		A/G/W		VT100/220	26	80/132	38.4K		$649
MC10	14"		A/G/W	40	VT100/220/320	24/44	80/132	38.4K	1 y	$595
MC2	14"		A/G	24		25	80	19.2K	1 y	$409
MC3	14"	Y	A/G/W	32	VT100	25/44	80/132	38.4K	3 y	$565
MC5	14"		A/G/W	40	VT100/220/320	24/25/43	80/132	38.4K	1 y	
LXE 404 447-4224										
1100				40	ANSI	8	1	9.6K		

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DISPLAY TERMINALS

Model	Monitor Size	Split Screen	Phosphor Color	# of Function Keys	Terminal Emulation	# of Rows	# of Columns	Max Baud Rate (bps)	Warranty	Price
LXE 404 447-4224 (continued)										
1190				40	ANSI	25	1	9.6K		
2020-IS										
2140				40	ANSI	4	1	9.6K		
MicroTerm 314 822-4111										
4520	14"	Y	W/A	15	VT52/100/220	24	80/132	38.4K	2 y	$695
4525	14"	Y	W	15	VT52/100/220	24	80/132	38.4K	2 y	$695
MicroTerm 314 822-4111 (continued)										
5510	14"	Y	A/W		VT100/220/320	24	80/132	19.2K	2 y	$499
5540	14"	Y		30	4010/4014	26	132	38.4K	2y	$2,350
Nematron Corporation 313 994-0501										
IWS-1010	12"	Y	A	65	VT52/100	25	80	19.2K	3 y	$2,450
IWS-1011T	12"	Y	A	65	VT52/100	25	80	19.2K	3 y	$2,650
IWS-1013	12"	Y	A	34	VT52/100	25	80	19.2K	3 y	$2,375
IWS-1013T	12"	Y	A	60	VT52/100	25	80	19.2K	3 y	$2,850
IWS-1510	12"	Y	RGB	65	VT52/100	25	80	19.2K	3 y	$3,775
IWS-1514	14"	Y	RGB	51	VT52/100	25	80	19.2K	3 y	$4,175
IWS-1634	14"	Y	A	51	VT52/100/220	25	80	19.2K	3 y	$5,795
IWS-2010	12"	Y	A	65	VT52/100	25	80	19.2K	3 y	$3,700
IWS-2514	14"	Y	RGB	51	VT52/100	25	80	19.2K	3 y	$5,425
IWS-3005	9"	Y	A		VT100	16	80	19.2K	3 y	$1,300
IWS-3005T	9"	Y	A	40	VT100	16	80	19.2K	3 y	$1,700
Pericom Inc. 609 895-0404										
MC450	14"	Y		20	VT52/100	25	80/132	38.4K	90 d	$1,495
MC450CX	14"	Y	C	24	IBM3192F	25	80/132	38.4K	90 d	$2,495
MT200	15"		G/A	46	VT100/200	31	80/132	19.2K	90 d	$1,420
MT300	15"			46	VT5200/100	31	80/132	19.2K	90 d	$1,650
MT350	17"			46	VT52/100	31	80/132	19.2K	90 d	$2,150
Random Corporation 513 825-0880										
Colleague	10"	Y	A/B	20	VT52/100/220	25	80	19.2K	90 d	$995
Colleague Plus	10"	Y	A/B	20	VT52/100/220	25	80	19.2K	90 d	$1,295
Samsung Electron Devices America Inc. 213 802-8425										
SAMTRON SD-32D	14"	Y	A/G/W	20	VT320	25	80/132	19.2K	1 y	$499
SAMTRON SD-60	14"		A/G/W	32	VT100	24/25	80/132	19.2K	1 y	$549
Summus Computer Systems 713 492-6611										
SUM 326	14"	Y	A/G/W	45	VT 320	24	80/132	38.4K	1 y	$695
Tatung Company of America 213 637-2105										
ET10	14"		A/G/W	12	VT220	44	132	38.4K	1 y	$549
Teleray 612 941-3300										
20-DDG	14"		A/G	20	VT220	24	80/132	19.2K	1 y	$895
20-DHP	14"		A/G	32	VT100/220	24	80/132	19.2K	1 y	$895
TEL 2	14"		A/G	32	VT102	24	80/132	19.2K	1 y	$850
TEL 5	14"		A/G	32	VT100	24	80/132	19.2K	1 y	$950
TEL 7	14"		A/G	32	VT52/102	24	80/132	19.2K	1 y	$1,150
TeleVideo Systems Inc. 408 745-7760										
9320	14"		A/W	60	VT52/100/220	24	80/132	19.2K	1 y	$499
965	14"		A/G/W	128	VT100	49	80/132	38.4K	1 y	$599

DISPLAY TERMINALS

Model	Monitor Size	Split Screen	Phosphor Color	# of Function Keys	Terminal Emulation	# of Rows	# of Columns	Max Baud Rate (bps)	Warranty	Price
Tristar Technology 201 784-1557										
VEGA VDT-300	14"		A/G/W		VT100/220	24/27	80/132	38.4K	1 y	$385
Visentech Systems Inc. 214 423-1677										
VS-230PC	14"	Y	A/G/W	45	VT220	24/24	80/132	38.4K	1 y	$565
VS220	12"	Y	A/G	36	VT52/100/220	24	80/132	19.2K	1 y	$399
VS230E	14"	Y	A/G/W	45	VT220/330/320	24/34	80/132	38.4K	1 y	$549
VS320	14"		A/G/W	45	VT100/131/220	24/34	80/132	38.4K	1 y	$449
Xycom Inc. 313 429-4971										
2000	9"		A	20	VT100/220	25	80	19.2K	1 y	$1,600
4810E	9"		G	6	VT100/220	25	80	19.2K	1 y	$1,750
4810ER	9"		G	4	VT100/220	25	80	19.2K	1 y	$1,700
4850A	12"		RGB	16	VT100/220	25	80	19.2K	1 y	$3,050
4860A	12"		A	16	VT100/220	25	80	19.2K	1 y	$1,950
4870	9"		A	6	VT100/220	25	80	19.2K	1 y	$3,150
8220	13"		EGA	20	VT100/220	25	80	19.2K	1 y	$5,200
8320	13"		VGA	20	VT100/200	25	80	19.2K	1 y	$6,600

GRAPHICS TERMINALS

Model	Monitor Size	Color/ Monochrome	Resolution (dpi)	3-D	Windowing	Terminal Emulation	Displayable Colors	Color Palette	Max Baud Rate (bps)	# of Function Keys	Price
Bell & Howell Company 708 675-7600											
IDT 1000	15"					VT100					$9,000
IDT 1100	17"					VT100					$9,000
IDT 2000	19"					VT100					$9,000
Chromatics 404 493-7000											
CX2000 BAJA	19"	C	1280x1024	Y	Y	VT100	1.3m	16.7m	19.2K	20	$38,183
CX2000 LeMANS	19"	C	1280x1024	Y	Y	VT100	1.3m	16.7m	19.2K	20	$24,440
Codonics Inc. 216 243-1198											
1575	14"	M	1024x800			VT52/100			38.4K	32	$1,895
4096	19"	M	16Kx12K	Y		VT100/220/320			38.4K	32	$3,495
Colorgraphic Communications Corp. 404 455-3921											
480/820	13"	C	160x240		Y	VT52/100	8	8	38.4K	24	$2,600
480XL/820XL	13"	C	640x480		Y	VT52/100	16	8	38.4K	24	$4,000
489/829	19"	C	240x160		Y	VT52/100	8	8	38.4K	24	$3,000
489XL/829XL	19"	C	640x480		Y	VT52/100	16	8	38.4K	24	$4,400
XL-13K	13"	C	640x480		Y	VT52	16	8	38.4K	24	$3,000
XL-19K	19"	C	640x480		Y	VT52	16	8	38.4K	24	$3,400
Cybernex 613 738-9301											
GR1014	14"	M	1024x780			VT52/100					$1,795
MAX 331	14"	M	800x500			VT330	4		19.2K	20	$1,395
Daisy Data Inc. 717 732-8800											
3554	14"	C	640x350			VT240/241/340	16	64	19.2K	10	$5,350

GRAPHICS TERMINALS

Model	Monitor Size	Color/ Monochrome	Resolution (dpi)	3-D	Windowing	Terminal Emulation	Displayable Colors	Color Palette	Max Baud Rate (bps)	# of Function Keys	Price
Daisy Data Inc. 717 732-8800 (continued)											
3564	14"	C	640x350			VT240/241/340	16	64	19.2K	10	$8,995
Digital Electronics Corporation 415 471-4700											
ST 3220		M	640x400			VT100	1		38.4K		$4,950
Electrohome Ltd. 519 744-7111											
ECM 1200	12"	C									$2,179
ECM 1300	13"	C									$1,198
ECM 1900 Series	19"	C	1024x512								$2,695
Electrohome Ltd. 519 744-7111 (continued)											
ECM 2700	19"	C									$2,160
ECP 3000		C	1280x1024			VT241					$14,995
ECP 4000		C	1280x1024								$22,995
ECP Graphics		C	1280x1024			VT241					$21,995
Falco Data Products Inc. 800 835-2648											
5000	14"	M	1120x400		Y	VT320/220			38.4K	116	$795
500e	14"	M	560x400		Y	VT 320/220			38.4K	116	$645
5220e	14"	M	560x400		Y	VT100/220			38.4K	116	$595
5330e	14"	M	800x500		Y	VT320/220/131/100	4		38.4K	116	$1,125
GraphOn Corporation 408 435-8400											
GO-225	14"	M	1024x390			VT52/100/220	1	1	19.2K	45	$795
GO-230	14"	M	1024x390			VT52/100/220	4	16	19.2K	45	$995
GO-235	14"	M	1024x780		Y	VT52/100/220	4	16	57.6K	45	$1,695
GO-240	14"	M	1024x390		Y	VT52/100/220	4	16	19.2K	45	$1,295
GO-250	14"	M	1024x780		Y	VT220/240	4	16	57.6K	45	$1,895
GO-407 HR	14"	C	1024x768			VT220/340	256	16	60	45	$3,995
Human Designed Systems 800 437-1551											
HDS 2000G	15"		1024x390		Y	VT52/100/220			19.2K	55	$1,295
HDS 2000GX	15"		1056x800		Y	VT52/100/220			19.2K	55	$1,595
HDS 2010G	15"		1056x400		Y	VT52/100/220			19.2K	55	$1,595
HDS 2010GX	15"	M	1056x800		Y	VT52/100/220			19.2K	55	$1,895
HDS 3200-10	15"		1056x400		Y	VT220/320/330			38.4K	21	$699
HDS 3200-35	15"		1056x800		Y	VT220/320/330			38.4K	21	$1,299
HDS 3220-25	15"		1056x800		Y	VT100/220/330			38.4K	21	$1,099
Jupiter Systems 415 523-9000											
Satellite	19"	C	1280x1024	Y	Y		16.7m	16.7m			
MicroTerm 314 822-4111											
4540	14"	M	800x500		Y	4010/4014			19.2K		$1,495
4560	14"	M	640x480		Y	4010/4014			38.4K	15	$1,295
5520	14"	M	800x500			VT220/320			38.4K		$699
5530	14"	M	800x500		Y	VT100/240/330			38.4K		$1,665
Miltope Corporation 516 420-0200											
TER-100		M	256x512			VT100					$27,700
Modgraph Inc. 617 229-4800											
GX-1105	14"	C	1024x768			VT52/100	16	4096	38.4K		$3,850
GX-1105-19	19"	C	1024x768			VT100	16	4096	38.4K		$5,850
GX-2000	15"	M	1024x780			VT100/220			19.2K	15	$1,295



Choose It and Use It.

Remember when you were a little kid? Put a penny in the gumball machine and wait to see what would roll out. Sure, you'd want the red one but it seemed like the green one would always appear. Until now, using a video display terminal was like buying a gumball. Cumbersome setup menus and complex commands would leave you hoping for one result but receiving another.

With the Infinity Series from Falco Data Products, you always know what you're getting. The Infinity Interface makes sure of that. Employing a DOS application-like feel, the Infinity Interface effortlessly guides you through terminal setup and windowing configuration. With a mouse or a cursor, you choose the configuration and windowing capability and use the full power of the world's most technologically advanced video display terminals. Point and choose. No cryptic commands. It's that simple.

It's also what you would expect from Falco—a VDT industry leader for ten years. So, rather than spending your pennies and hoping that what you see is what you'll get, call Falco and choose your favorite flavor. ANSI, ASCII, or Multiple Personality. With or without graphics. The choice is yours.

FALCO

1-800-FALCO-4-U

Falco Data Products, Inc.
Sunnyvale, CA 94086
Tel: 408-745-7123
FAX: 408-745-7860

Falco-Europe
Tel: (33) (1) 3043-1446
FAX: (33) (1) 3064-0557



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GRAPHICS TERMINALS

Model	Monitor Size	Color/ Monochrome	Resolution (dpi)	3-D	Windowing	Terminal Emulation	Displayable Colors	Color Palette	Max Baud Rate (bps)	# of Function Keys	Price
Northwest Digital Systems 206 524-0014											
GP-220Z	14"	M	1024x780			VT52/100/220			38.4K	25	$1,595
GP220L	14"	M	1024x780			VT52/100/220			38.4K	25	$1,295
Pericom Inc. 609 895-0404											
MG100	15"	M	1024x780			VT100/220			19.2K	23	$1,895
MG200	15"	M	1024x768			TEK4010/4014			19.2K	23	$2,195
MG600	15"	M	1024x768			TEK4010			19.2K	23	$2,750
MG620	20"	M	1024x768			TEK4010			19.2K	23	$3,995
MG700	17"	M	1024x768			TEK4010			19.2K	23	$2,750
MX7100	14"	C	640x480		Y	TEK41/4207	16	256K	38.4K	15	$3,495
Pericom Inc. 609 895-0404 (continued)											
MX7200	16"	C	1024x768		Y	TEK41/4207	16	256K	38.4K	15	$4,995
MX7250	19"	C	1024x768		Y	TEK41/4207	16	256K	38.4K	15	$6,495
MX7300	15"	C	1024x768		Y	TEK4111/4107	16	4096	38.4K	15	$6,995
MX7350	19"	C	1024x784		Y	VT100/220/240	16	4096	38.4K	15	$8,495
MX7550	19"	C	1024x768		Y	TEK41/4207	16	4096	38.4K	20	$8,955
Samsung Electron Devices America Inc. 213 802-8425											
SAMTRON SD-325	14"	M	1024x800		Y	VT220/320			57.6K	16	$699
Spectragraphics Corporation 619 450-0611											
DS1082 LX	19"	C	1024x1024	Y	Y	VT100	256	16.8m	10M	32	$14,900
LS 2100	19"	C	1280x1024	Y	Y	VT100	256	16.8m	3M	32	
Tektronix Inc. 206 253-5019											
4205	13"	C	480x360		Y	VT52/100/200	16	64	38.4K	8	$2,495
4207	13"	C	640x480			VT100/200	16	64	38.4K	8	$3,995
4208	13"	C	640x480			VT100/200	16	64	38.4K	8	$4,995
4209	19"	C	640x480			VT100/200	16	4096	38.4K		$5,995
4211	16"	C	1024x768			VT200	16	16.7m	38.4K		$6,495
4225	16"	C	1280x1024			VT220	256	16.7m	38.4K		$15,950
4235	16"	C	1280x1024	Y		VT220	16	16.7m	38.4K		$23,500
4236	16"	C	1280x1024	Y		VT220	256	16.7m	38.4K		$33,500
4237	16"	C	1280x1024	Y		VT220	4096	16.7m	38.4K		$37,500
SF4208	13"	C	640x480			VT100/200	16	64	38.4K	8	$5,495
XN10 Graphics X	15"	C	1024x768		Y	VT220	256	16.7m	38.4K		$4,995
XN11 Graphics X	15"	C	1024x768		Y	VT220	256	16.7m	38.4K		$7,495
XN5 Graphics X	16"	M	1024x1024		Y	VT100			38.4K		$2,595
XN7 Graphics X	19"	M	1280x1024		Y	VT100			38.4K		$3,795
Teleray 612 941-3300											
30	14"	C	640x480		Y	VT 340	16	262K+	38.4K		$1,995
Visual Technology Inc. 508 836-4400											
603	14"	M	1056x400		Y	VT52/100/220			38.4K	45	$695
630	14"	M	1056x800		Y	VT52/100/220			38.4K	45	$995

WORKSTATIONS

Model	Monitor Size	Color/ Monochrome	Resolution (bits)	MIPS	Zoom/Pan/3-D	Terminal Emulation	Max Baud Rate (bps)	Color Palette	Local Memory (Bytes)	Serial/Parallel	Segment Support	Price
CalComp Inc. 603 885-8028												
CGS-4600	15"	C	1280x1024		N/N/Y	VT100		16.7m		S/P		$7,495+
Colorgraphic Communications Corp. 404 455-3921												
CEBRA 286	19"	C	640x480		N/Y/N	VT200/VT100/VT52	38.4K	64	1M	S/P		$3,995
Datamedia Corporation 800 DMC-INFO												
386SX/16-00	14"	C/M	800x480		Y/Y/N	VT340/241	38.4K	256K	2M	S/P		$2,455
386SX/16-01	14"	C/M	800x480		Y/Y/N	VT340/241	38.4K	256K	2M	S/P		$2,755
386SX/16-04	14"	C/M	800x480		Y/Y/N	VT340/241	38.4K	256K	2M	S		$3,625
COLORSCAN/2	14"	C	640x480		Y/Y/N	VT220/VT241	38.4K	512	768K	S/P		$1,350
Evans & Sutherland 801 582-5847												
ESU series	19"	C	1280x1024	20	Y/Y/N	VT100		16.7m	8-128M	P		$49,900
PS390	19"	C	8192x6912		N/N/Y	VT100		16.7m	2M	S		$32,950+
Intergraph Corporation 205 730-8697												
InterPro 125	15"	C	1184x884			VT220	19.2K	4096	6M		Y	
InterPro 225	19"	C	15184x884	5	Y/N/Y	VT220	19.2K	4096	16M	S/P	Y	$16,000
InterPro 3055	19"	C	1184x884			VT220	19.2K	16m	16M		Y	
InterPro 3070	27"	C	1664x1248			VT220	19.2K	16m	16M		Y	
InterPro 340	19"	C	1184x884			VT220	19.2K	16m	8M		Y	
InterPro 6040	19"	C	1184x884	10	Y/N/Y	VT220	19.2K	16m	16M	S/P	Y	$28,400
InterPro 6080	19"	C	1184x884	10	Y/N/Y	VT220	19.2K	16m	16M	S/P	Y	$39,900
InterPro 6240	19"	C	1184x884	14	Y/N/Y	VT220	19.2K	16m	16M	S/P	Y	$34,900
InterPro 6280	19"	C	1184x884	14	Y/N/Y	VT220	19.2K	16m	16M	S/P	Y	$44,900
MIPS Computer Systems Inc. 408 720-1700												
Magnum 3000	17"	C	1280x1024	25		Y	38.4K	16.7m	128M	S		$9,000+
Northgate Computer Systems Inc. 612 943-8181												
Northgate 486/25	14"/16"	C	640x400		Y/Y/Y	VT100/VT52	9600	16/256	16M	S/P	Y	
Pericom Inc. 609 895-0404												
TEEM STATION 12	19"	C	640x480		Y/Y/N	VT220/240	38.4K		4M	S/P	Y	$4,995
TEEM STATION 25T	19"	C	640x480		Y/Y/N	VT220/240	38.4K		16M	S/P	Y	$11,500
TEEM STATION-20	19"	C	640x480		Y/Y/N	VT220/240	38.4K		16M	S/P	y	$8,995
TEEM STATION-25	19"	C	640x480		Y/Y/N	VT220/240	38.4K		16M	S/P	Y	$11,500
Silicon Graphics Inc. 415 960-1980												
Personal IRIS	19"	Color	1280x1024	16	Y/Y/Y	VT100	38.3K	16.7m	32M	S		$16,000
Spectragraphics Corporation 619 450-0611												
CS 1080		C			Y/Y/Y	Y	10M	16.8m	2-8M			$9,900
Tektronix Inc. 206 253-5019												
4319 2D Graphics	16"	C	1280x1024	3	Y/Y/Y	Tek 4125/4128	38.4K	16.7m	8M	S/P		$11,950
4325	16"	C	1280x1024	3	Y/Y/N	Tek 4125/VT100	38.4K	16.7m	8M	S/P	Y	$29,950
4335	16"	C	1280x1024	3	Y/Y/Y	Tek 4125/4128	38.4K	16.7m	8M	S/P	Y	$28,500
4336	16"	C	1280x1024	3	Y/Y/Y	Tek 4125/4128	38.4K	16.7m	8M	S/P	Y	$38,500
4337	16"	C	1280x1024	3	Y/Y/Y	Tek 4125/4128	38.4K	16.7m	8M	S/P	Y	$42,500
XD88/10	19"	C	1280x1024	17		VT100/220	38.4K	16.7m	8MB	S/P		$12,950
XD88/30	19"	C	1280x1024	17	Y/Y/Y	VT100/VT220	38.4K	16.7m	8M	S/P	Y	$29,995
Virtual Imaging 408 737-3700												
VIEW2000	19"	C/M	1280x1024		Y/Y/Y		19.2K	48	16M	S	Y	
VIEWbox	19"	C/M	2048x2048		N/N/Y		19.2K		4M	S		

X WINDOW TERMINALS

Model	Monitor Size	Color/ Monochrome	Resolution (bits)	Max Baud Rate (bps)	Ethernet	Terminal Emulation	Color Palette	Displayable Colors	Serial Port	Parallel Port	Warranty	Price
GraphOn Corporation 408 435-8400												
OptimaX 200	14"	M	800x600	57.6K		VT100/220	1	1	Y		1 y	$1,395
Human Designed Systems 800 437-1551												
ViewStation	21"	M/C	1280x1024	10M	Y		256		Y	Y	1 y	$1,999+
Jupiter Systems 415 523-9000												
410	19"	C	1280x1024		Y	Y	16.7m	256	Y		6 mo	
Network Computing Devices 415 694-0650												
NCD 16	16"	M	1024x1024	10M	Y	VT100/VT220			Y		6 mo	$2,500
NCD16e	16"	M	1024x1024	10M	Y	VT100/VT220			Y		6 mo	$3,200
NCD17c	17"	C	1024x768	10M	Y	VT100/VT220	16.7m	256	Y		6 mo	$5,000
NCD19	19"	M	1280x1024	10M	Y	VT100/VT220			Y		6 mo	$3,700
Northwest Digital Systems 206 524-0014												
GP-220W	14"	M	1024x780	38.4K		VT100/220			Y		1 y	$1,695
XT.15	15"	M	1024x800	10M	Y	VT100			Y		1 y	$2,495
XT.19	19"	M	1024x800	10M	Y	VT100			Y		1 y	$2,995
Spectragraphics Corporation 619 450-0611												
LS 800	19"	M	1024x800	10M		VT100/3270						$3,995
LS 900	17"	C	1024x768	38.4K	Y	VT220/3270	4096	256	Y		1 y	
Visual Technology Inc. 508 836-4400												
X-15	15"	M	1024x800	38.4K	Y	VT102			Y		1 y	$2,345
X-19	19"	M	1152x900		Y	VT102			Y		1 y	$2,845
X-19 Turbo XDS	19"	M	1280x1024	38.4K	Y	VT102		4	Y		1 y	$3,875

New Products Mean New Listings

To list your new products in the 1991 Buyers Guide,

Call Lea Smith at (215) 957-4286 today.

Display Terminals

Applied Digital Data Systems

ADDS 3220
14" Monitor • Split Screen • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The ADDS 3220 features a 70Hz refresh rate for reduced eye strain, host and keyboard function keys and a full-page set-up mode.

ADDS 3320
14" Monitor • Split Screen • VT320 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The ADDS 3320 features a 70Hz refresh rate for reduced eye strain, host and keyboard function keys and a full-page set-up mode. Handles 16 international languages.

ADDS 3320 TOUCH
14" Monitor • Split Screen • VT320 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The ADDS 3320 TOUCH features the same capabilities as the 3320. Also features a touch screen that provides on-screen options rather than type-in data, eliminating errors.

Chi Corporation

MP-Series 2
14" Monitor • Split Screen • VT100/102/220 Emulation • 19.2K bps Max. Baud Rate • 90 d Warranty
The MP Series 2 is a multiple protocol terminal capable of supporting up to three emulations: DEC VT, UNISYS Sperry, and IBM 3270. Multiple communication ports allow simultaneous connection to two different hosts.

Control Module Inc.

1409
VT52/100 Emulation
The 1409 features multiple input capabilities. Accepts input from bar code scanners, has an auxiliary port for input from scales and portable bar code entry terminals.

Direct Service and Repair

831
12" Monitor • Split Screen • VT52/100 Emulation

VP828
12" Monitor • Split Screen • VT52/VT100 Emulation

Electrohome Ltd.

EDM 926
9" Monitor
Offers cost effective solution to display of computer info.

EVM Series
9"-23" Monitor
The EVM line is adaptable to a number of applications. All models available in 120V and 220/240V versions, standard and Variscan, and choice of phosphors.

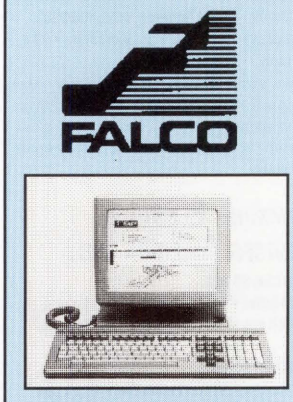
Esprit Systems Inc.

Esprit 400
14 Monitor • Split Screen • VT320/100 Emulation • 38.4K Max. Baud Rate • 1 y Warranty
The Esprit 400 ($599) introduces new technology in a dual host, ASCTI/ANSI/PC terminal. The Esprit 400G ($749) features Tektronix graphics.

Opus 220
14" Monitor • VT52/100/220 Emulation • 38.4K Max. Baud Rate • 1 y Warranty
OPUS 220 provides VT220 emulation covered by the Esprit Express warranty which guarantees a replacement unit by the next day. OPUS 220 is priced at $569.

Opus 3n1+
14" Monitor • VT220/100 Emulation • 38.4K Max. Baud Rate • 1 y Warranty
OPUS 3n1+ provides a quality VT220 emulation in a dual port terminal that allows connection to two hosts or ports from a single terminal simultaneously.

Falco Data Products Inc.



■ The Infinity Series is available in ANSI, ASCII and Multiple Personality models. Compatible with a wide array of industry standards including all ANSI/DEC and popular ASCII emulations and PC mode. Supports DEC SSU and Tektronix graphics. Choice of 4 keyboards; mouse compatible. Easy to use menu-driven set-up and the opening and manipulation of up to 6 independent windows are invoked through simple "pick and choose" method. Single or multiple hosts configurations and placement and size of windows is standard on each model. Simultaneous display of 80- or 132-column mode. 70Hz, borderless display standard. Falco also offers a ReGIS compatible mosdel as well. LIST: $545-$645; "5330e" $1125.00

Falco Data Products Inc.

Infinity G ANSI
14" Monitor • Split Screen • VT320, 220 Emulation • 38.4 Max. Baud Rate • 1 y Warranty
This model supports DEC SSO/dual sessioning and emulates Tektronix 4010/4014 graphics. Two serial ports are standard, two additional ports are optional. 70Hz, Overscan.

Infinity G ASCII
14" Monitor • Split Screen • VT100 Emulation • 38.4 Max. Baud Rate • 1 y Warranty
This model emulates Wyse 50/60, TVI 955, 950, 925, 920, IBM 3101, Hz 1500, ADDS VP and DG 200. Two serial ports, concurrent processing.

Infinity G MP
14" Monitor • Split Screen • VT320, 200 Emulation • 38.4 Max. Baud Rate • 1 y Warranty
This model also emulates Wyse 50/60, TUI 955, 950, 925, 920, IBM 3101, HZ 1500, ADDS VP and DG 200; and Tektronix 4010/4014 graphics.

Infinity S ANSI
14" Monitor • Split Screen • VT320/200 Emulation • 38.4 Max. Baud Rate • 1 y Warranty
New small footprint. Offers first DOS-like interface for set up. Supports dual host and dual sessions (SSU) plus parallel port. MMJ connections.

Infinity S ASCII
14 Monitor • Split Screen • VT100 Emulation • 38.4 Max. Baud Rate • 1 y Warranty
New small footprint. Offers DOS-like interface for set up. Emulates WY 50/60, TUI 955, 950, 925, 920, HZ 1500, ADDS VP. Supports dual host.

Infinity S MP
14 Monitor • Split Screen • VT320/200 Emulation • 38.4 Max. Baud Rate • 1 y Warranty
New small footprint. Offers DOS-like interface for set up. Supports dual host and dual sessions, plus parallel port. Emulates Wyse 50/60, TUI 955, 950, 925, 920.

Human Designed Systems

HDS 2000
15" Monitor • Split Screen • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The HDS2000 is equipped with flexible networking, providing simultaneous communication with up to three computers. May be upgraded to HDS2000G and GX for graphics capability.

HDS 2010
15" Monitor • Split Screen • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The HDS2010 is an APL terminal with full over-strike and the ability to define APL symbols, and APL legends on keytops.

Kimtron Corporation

760ST
14" Monitor • Split Screen • VT52/VT100/ VT320 Emulation • 38.4 Max. Baud Rate • 1 y Warranty
Also features dual host, calculator, clock, calendar, detachable power cord, 3 communication ports, 4 keyboard selections.

785ST
14" Monitor • Split Screen • VT52/VT100/ VT200 Emulation • 38.4 Max. Baud Rate • 1 y Warranty
Also features dual host, calculator, clock, calendar, detachable power cord, 3 communication ports.

Liberty Electronics

Freedom ONE Turbo
14" Monitor • VT52/100/220 Emulation • 38.4K bps Max. Baud Rate
Features the same capabilities as the Freedom ONE Plus. Also features a PC emulation mode that allows it to be used with multiuser PC systems.

Link Technologies Inc.

125
14" Monitor • 38.4K bps Max. Baud Rate • 1 y Warranty
Features include a bidirectional printing port, a horizontal split screen, and soft set-up capabilities including page or line formats. Wyse 50 compatible.

220
14" Monitor • Split Screen • VT100/132/220 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty
The 220 is also available with an optional six page memory at $685 and an optional Gold Key word processing keyboard at $645.

220WP
14" Monitor • VT100/220 Emulation • 38.4K bps Max. Baud Rate

MC10
14" Monitor • VT100/220/320 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty
Plug-in cartridges are available: (1) bit-mapped graphics display, (2) bar code reader, (3) supplemental serial, (4) parallel communication ports. Dual host with concurrent update.

MC2
14" Monitor • 19.2K bps Max. Baud Rate • 1 y Warranty
The MC2 features a 78Hz screen refresh rate, and parallel printer port supports, ASCII protocol.

MC3
14" Monitor • Split Screen • VT100 Emulation • 38.4K bps Max. Baud Rate • 3 y Warranty
Emulates ASCII, ANSI, and PCTerm; is equipped with three configurable communications ports which allow users to simultaneously display any two emulations on a split screen.

MC5
14" Monitor • VT100/220/320 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty
Features include the capability to run two hosts interchangeable keyboards, 78Hz refresh rate, three communications ports: two serial, one parallel.

LXE

1100
ANSI Emulation • 9600 Max. Baud Rate
Series 1100. Vehicle-mounted, radio frequency terminals for wireless data communications. Choice of 2-, 4-, 6-, or 8-line by 40-character displays. Built to withstand vibration and shock.

1190
ANSI Emulation • 9600 Max. Baud Rate
Model 1190 full screen terminal has a 25-line by 80-character display. ANSI-compatible. Built to withstand vibration and shock.

2020-IS
Includes same features as the 2020 model. The 2020-IS model may be used safely for

inventory control applications in flammable atmospheres found in chemical and petrochemical industries.

2140
ANSI Emulation • 9600 Max. Baud Rate
Handheld ruggedized, radio frequency terminal designed to provide reliable data communications for inventory control applications, receiving, picking/putaway, cycle counting and shipping.

MicroTerm

4520
14" Monitor • Split Screen • VT52/100/220 Emulation • 38.4K bps Max. Baud Rate • 2 y Warranty
Features a high speed multi-host and multi-session which allows the terminal to function as two separate terminals, at different baud rates, with separate communication protocols.

4525
14" Monitor • Split Screen • VT52/100/220 Emulation • 38.4K bps Max. Baud Rate • 2 y Warranty
Same as 4520. The 4525 features seven pages of scrollable memory and copier support for DEC LA50/100, C.Itoh, and Epson printers. Graphics enhancement boards available.

5510
14" Monitor • Split Screen • VT100/220/320 Emulation • 19.2K bps Max. Baud Rate • 2 y Warranty
The 5510 features a flicker-free 70Hz refresh. Includes a two year warranty.

5540
14" Monitor • Split Screen • 4010/4014 Emulation • 38.4 Max. Baud Rate • 2 y Warranty
High-performance ReGIS and Tektronix color graphics.

Nematron Corporation

IWS-1010
12" Monitor • Split Screen • VT52/100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Industrial, NEMA 4/12 sealed terminal with non-volatile message storage, multi-drop capabilities, and extra serial ports; 19" rackmount or panel-mount; 110 VAC only.

IWS-1011T
12" Monitor • Split Screen • VT52/100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Same as IWS-1010, but with 60-position programmable touchscreen.

IWS-1013
12" Monitor • Split Screen • VT52/100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Same as IWS-1010, but with 34-position keyboard.

IWS-1013T
12" Monitor • Split Screen • VT52/100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Same as IWS-1010, but with 34-position keyboard and 60-position touchscreen.

IWS-1510
12" Monitor • Split Screen • VT52/100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Color version of IWS-1010; eight foreground colors and eight background colors. Also available are color versions of models IWS-1011T, IWS-1013, and IWS-1013T.

IWS-1514
14" Monitor • Split Screen • VT52/100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Color version of IWS-1010 but with 51-position keyboard; eight foreground colors and eight background colors; 110/220 VAC.

IWS-1634
14" Monitor • Split Screen • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Industrial, NEMA 4/12 sealed terminal with DFEC, HP, and Tektronix emulation; extra serial and parallel port; optional portable floppy disk drive; 19" rackmount or panel-mount; 110/220 VAC.

IWS-2010
12" Monitor • Split Screen • VT52/100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Same as IWS-1010, but with OptiBASIC, a real-time, multitasking industrial BASIC. Also available are OptiBASIC versions of models IWS-1011T, IWS-1013, IWS-1013T, IWS-1510, IWS-1511T, IWS-1513, IWS-1513T.

IWS-2514
14" Monitor • Split Screen • VT52/100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Same as IWS-1514, but with OptiBASIC, a real-time, multitasking industrial BASIC.

IWS-3005
9" Monitor • Split Screen • VT100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Same as IWS-1010, but with a 5"x9" display and no keyboard.

IWS-3005T
9" Monitor • Split Screen • VT100 Emulation • 19.2K bps Max. Baud Rate • 3 y Warranty
Same as IWS-3005, but with 40-position touchscreen.

Pericom Inc.

MC450
14" Monitor • Split Screen • VT52/100 Emulation • 38.4K bps Max. Baud Rate • 90 d Warranty
MC450 features the ability to work with standard EGA PC monitors, full compatibility with Prestel, Viewdata services, and a variety of packing arrangements.

MC450CX
14" Monitor • Split Screen • IBM 3192F Emulation • 38.4K bps Max. Baud Rate • 90 d Warranty
MX450 CX is dual mainframe terminal allowing simultaneous host access via RS232 serial lines using DEC VT220 protocol, IBM via coax lines using IBM 3192F protocol.

MT200
15" Monitor • VT100/200 Emulation • 19.2K bps Max. Baud Rate • 90 d Warranty
NT200 also features support for a wide range of hard copy devices and block mode for local display and editing with space compression on transmit.

MT300
15" Monitor • VT5200/100 Emulation • 19.2K bps Max. Baud Rate • 90 d Warranty
MT300 features an optional 50-line mode, borderless display, support for mouse and wide variety of hard copy devices, Multi-page memory, custom firmware, keyboards.

MT350
17" Monitor • VT52/100 Emulation • 19.2K bps Max. Baud Rate • 90 d Warranty
MT350 features a choice of etched or chemically coated face plates bonded for implosion protection, an optional 50 lines, mouse support.

Random Corporation

Colleague
10" Monitor • Split Screen • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate • 90 d Warranty
Laptop, battery-powered terminal (weighs 7.5 pounds) with 20 auto connect channels. Features internal 300/1200 bps auto answer/auto dial modem with CCITT V.21/.22 compatibility.

Colleague Plus
10" Monitor • Split Screen • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate • 90 d Warranty
Offers same features as Colleague. Also equipped with internal/offline word processor including data capture and send, session record and playback, screen-snap, and more.

Samsung Electron Devices America Inc.

SAMTRON SD-32D
14" Monitor • Split Screen • VT320 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty

SAMTRON SD-60
14" Monitor • VT100 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
Samtron SD-60 is fully compatible with WY60 with pop-up set-up menu.

Summus Computer Systems

SUM 326
14" Monitor • Split Screen • VT320 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty

Tatung Company of America

ET10
14 Monitor • VT220 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty

Teleray

20-DDG
14" Monitor • VT220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
Features two bidirectional communication ports, a recodeable keyboard, as well as horizontal scrolling to 256 columns. Also capable of displaying 40 and 66 data columns.

20-DHP
14" Monitor • VT100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
Features two bidirectional communication ports, a recodeable keyboard, as well as horizontal scrolling to 256 columns. Also capable of displaying 40 and 66 data columns.

TEL 2
14" Monitor • VT102 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty

TEL 5
14" Monitor • VT100 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty

TEL 7
14" Monitor • VT52/102 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
Feature two bidirectional communication ports and a recodeable keyboard. In addition, the TEL 7 features both synchronous and asynchronous protocol.

TeleVideo Systems Inc.

9320
14" Monitor • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The 9320 is available with the DEC special graphics character set.

965
14" Monitor • VT100 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty
The 965 features ASCII, ANSI and PC operating modes, and an interactive on-screen calculator. Computations may be transferred directly to a spreadsheet without exiting program.

Tristar Technology

VEGA VDT-300
14" Monitor • VT100/220 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty
The VEGA VDT-300 is available with a Tektronix 4010/4014 hardware graphics controller option at an additional cost of $220.

Visentech Systems Inc.

VS-230PC
14" Monitor • Split Screen • VT220 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty
The VS-230PC multiprotocol terminal incorporates DEC VT220, TeleVideo 925, Xenix and IBM PC mode emulations. Flexibility and low cost make the VS-230PC an excellent choice.

VS220
12" Monitor • Split Screen • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The VS220 is a reliable alternative with perfect emulation at a low cost.

VS230E
14" Monitor • Split Screen • VT220/330/320 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty
Optional word processing keyboard, RS423 and 20mA interface and Tek 4010/4014 ReGIS graphics boards are available. Dual host and concurrent windowing is implemented.

VS320
14" Monitor • VT100/131/220 Emulation • 38.4K bps Max. Baud Rate • 1 y Warranty
Optional word processing keyboard, four pages of memory, and Tek 4010/4014 graphics board are available. Also provides both serial and parallel printer port. Dual host with 423 interface is standard.

Xycom Inc.

2000
9" Monitor • VT100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
Low cost, functionally diverse amber terminal. Firmware allows direct connection to most of the major plc brands used. NEMA 4/12 sealed front panel.

4810E
9" Monitor • VT100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The 4810E is designed for use in harsh industrial environments and features a 19" rack- or panel-mounted configuration with a sealed membrane keypad.

4810ER
9" Monitor • VT100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The 4810ER is designed for use in harsh industrial environments and features a 19" rackmounted, sealed membrane keypad.

4850A
12" Monitor • VT100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty

4860A
12" Monitor • VT100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
The 4850A and 4860A are designed for use in harsh industrial environments and feature a 19" rackmounted, sealed membrane keypad. Nema 4/12 sealed front panel.

4870
9" Monitor • VT100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
Designed for use in harsh industrial environments. Features a 19" rackmounted, sealed membrane keypad. In addition, the 4870 uses an electroluminescent flat-panel display.

8220
13" Monitor • VT100/220 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
EGA version of our 8320.

8320
13" Monitor • VT100/200 Emulation • 19.2K bps Max. Baud Rate • 1 y Warranty
High-resolution, VGA industrial terminal; our most versatile keypad and function keys are programmable. Will talk directly to most major plcs.

Graphics Terminals

Bell & Howell Company

IDT 1000
15" Monitor • VT100 Emulation

IDT 1100
17" Monitor • VT100 Emulation

IDT 2000
19" Monitor • VT100 Emulation

Chromatics

CX2000 BAJA
19" Monitor • 1280x1024 dpi Resolution • 3-D • Windowing • VT100 Emulation • 19.2K bps Max. Baud Rate
Ruggedized terminal that utilizes industry standards such as VMEbus with DR11-W interface. Supports C and FORTRAN, VMS and UNIX, and GKS level 2C library.

CX2000 LeMANS
19" Monitor • 1280x1024 dpi Resolution • 3-D • Windowing • VT100 Emulation • 19.2K bps Max. Baud Rate
The CX2000 LeMANS offers the same features as the CX2000 BAJA. Performance levels include 1,000,000 vectors per second and 150 microsecond full-screen erase.

Codonics Inc.

1575
14" Monitor • 1024x800 dpi Resolution • VT52/100 Emulation • 38.4K bps Max. Baud Rate
The 1575 features graphics functions including zoom, pan, and erase display. This terminal also supports digitizer tablets, mice, lightpens, and hard copy units. Please consult factory for details.

4096
19" Monitor • 16Kx12K dpi Resolution • 3-D • VT100/220/320 Emulation • 38.4K bps Max. Baud Rate
Features graphics functions including zoom, pan, and erase display. Standard features include mouse and 256KB vector display list memory. Additional 500KB or 1MB upgrades optional.

Colorgraphic Communications Corp.

480/820
13" Monitor • 160x240 dpi Resolution • Windowing • VT52/100 Emulation • 38.4K bps Max. Baud Rate
Also emulates the Intecolor 8001G/8810. Optional support for GIN devices such as a light pen and a joy stick, and a customer specified character set.

480XL/820XL
13" Monitor • 640x480 dpi Resolution • Windowing • VT52/100 Emulation • 38.4K bps Max. Baud Rate

489X>/829XL
19" Monitor * 640x480 dpi Resolution * Windowing * VT52/100 Emulation * 38.4K bps Max. Baud Rate
Same as 480/820. Also capable of displaying 16 colors. Equipped with superimposed displays. Also features dithering, extensive internal graphics primitives, and more.

489/829
19" Monitor • 240x160 dpi Resolution • Windowing • VT52/100 Emulation • 38.4K bps Max. Baud Rate
Also emulates Intecolor 8001G/8810. Optional support for GIN devices such as a light pen and a joy stick, and a customer-specified character set.

XL-13K
13" Monitor • 640x480 dpi Resolution • Windowing • VT52 Emulation • 38.4K bps Max. Baud Rate

XL-19K
19" Monitor • 640x480 dpi Resolution • Windowing • VT52 Emulation • 38.4K bps Max. Baud Rate
The XL-13K and XL-19K are bit-mapped graphics terminals that display 16 colors with dithering. Equipped with 2048 ROM-based character memory and bit-mapped graphic generator with ANSI text mode.

Cybernex

GR1014
14" Monitor • 1024x780 dpi Resolution • VT52/100 Emulation

MAX 331
14" Monitor • 800x500 dpi Resolution • VT330 Emulation • 19.2K bps Max. Baud Rate
This is a single-session VT330 compatible terminal with full VT330 ReGIS, SIXEL and Tektronix graphics. Setup in English, French, or German.

Daisy Data Inc.

3554
14" Monitor • 640x350 dpi Resolution • VT240/241/340 Emulation • 19.2K bps Max. Baud Rate
The 3554 is NEMA 4X rated. It is hermetically sealed against dust, condensing moisture, solvents, and corrosive substances. It also features a tactile feedback membrane keyboard, a color default mode, and compatibility with all VAX computers.

3564
14" Monitor • 640x350 dpi Resolution • VT240/241/340 Emulation • 19.2K bps Max. Baud Rate
Factory mutual systems approved for Class I and II, Division 1 and 2 explosive environments. Features an intrinsically safe membrane keyboard, color default mode and compatibility with all VAX computers.

Digital Electronics Corporation

ST 3220
640x400 dpi Resolution • VT100 Emulation • 38.4K bps Max. Baud Rate
Features a sealed infrared touch input system that provides 2000 touch point character resolution. Supports RS485 interfaces that use a modified token pass networking protocol.

Electrohome Ltd.

ECM 1200
12" Monitor

ECM 1300
13" Monitor
CGA, EGA, PGA, VGA compatible. High-resolution RGB monitor compatible with CAD/CAM and other graphics signals generated from different computer signals and add on boards.

ECM 1900 Series
19" Monitor • 1024x512 dpi Resolution
CGA, EGA, PGA, VGA compatible. Ideally suited for larger images generated for CAD/CAM and other graphics applications where a larger viewing image is desirable.

ECM 2700
19" Monitor
CGA- and EGA-compatible large screen monitor suitable for public information displays.

ECP 3000
1280x1024 dpi Resolution • VT241 Emulation
Three lens data/graphics and video color projection system. Connects to terminals, PCs, video sources (up to 50KHz). Microprocessor controls all functions via infrared remote control.

ECP 4000
1280x1024 dpi Resolution
Single- and three-lens data/graphics and video color projection system that connects to computer terminals, PCs, and video sources (up to 50KHz).

ECP Graphics
1280x1024 dpi Resolution • VT241 Emulation
Single lens data/graphics and video color projection system that connects to computer terminals, PCs, and video sources including CAD/CAM workstations up to 80KHz.

Falco Data Products Inc.

5000
14" Monitor • 1120x400 dpi Resolution • Windowing • VT320/220 Emulation • 38.4K bps Max. Baud Rate
Same as above. Also emulates the following: Wyse WY-50, Televideo 955, Data General 200, IBM 3101, ADDS Viewpoint, and Hazeltine 1500. Four ports, concurrent processing.

500e
14" Monitor • 560x400 dpi Resolution • Windowing • VT 320/220 Emulation • 38.4K bps Max. Baud Rate
The 500e also emulates the Wyse WY-50 and Televideo 955. Available with six virtual terminal windows which provide easy operation of multihost and multitasking applications.

5220e
14" Monitor • 560x400 dpi Resolution • Windowing • VT100/220 Emulation • 38.4K bps Max. Baud Rate
Same as above. The 5220e also features a combination of bidirectional serial ports, virtual terminal windows, and firmware which allows both multihost and multitasking operations.

5330e
14" Monitor • 800x500 dpi Resolution • Windowing • VT320, 220, 131, 100 Emulation • 38.4K bps Max. Baud Rate
Tektronix 4010/4014, ReGIS Graphics, VT330 compatible plus four ports each with concurrent processing host support.

GraphOn Corporation

GO-225
14" Monitor • 1024x390 dpi Resolution • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate
The GO-225 is equipped with a 68000 microprocessor. It is also available with upgradeable zoom and pan capabilities and ReGIS emulation.

GO-230
14" Monitor • 1024x390 dpi Resolution • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate
The GO-230 is equipped with a 68000 microprocessor. Options include zoom and pan ReGIS emulation.

GO-235
14" Monitor • 1024x780 dpi Resolution • Windowing • VT52/100/220 Emulation • 57.6K bps Max. Baud Rate
The GO-235 is 68000 microprocessor based and is available with ReGIS and zoom and pan options. X Window System support is an available option.

GO-240
14" Monitor • 1024x390 dpi Resolution • Windowing • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate
The GO-240 is equipped with a 68000 microprocessor. It has zoom and pan features, ReGIS emulation, supports a mouse interface, and includes raster operations.

GO-250
14" Monitor • 1024x780 dpi Resolution • Windowing • VT220/240 Emulation • 57.6K bps Max. Baud Rate
Features ReGIS support, pan and zoom capabilities, and raster operations. X Window System support is an available option.

GO-407 HR
14" Monitor • 1024x768 dpi Resolution • VT220/340 Emulation • 60K bps Max. Baud Rate
The screen resolution is 1024x768 and 800x480 when emulating a Tektronix 4207 or VT340, respectively. An additional 1MB of memory is an available option.

Human Designed Systems

HDS 2000G
15" Monitor • 1024x390 dpi Resolution • Windowing • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate
Capable of generating line types, fill patterns, and primitives, and an optional mouse or digitizer may be added for additional graphics input.

HDS 2000GX
15" Monitor • 1056x800 dpi Resolution • Windowing • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate
Capable of generating line types, fill patterns, and primitives, and an optional mouse or digitizer may be added for additional graphics input.

HDS 2010G
15" Monitor • 1056x400 dpi Resolution • Windowing • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate
The HDS 2010G is an APL text and graphics terminal featuring networking and windowing capabilities.

HDS 2010GX
15" Monitor • 1056x800 dpi Resolution • Windowing • VT52/100/220 Emulation • 19.2K bps Max. Baud Rate
The HDS 2010GX is an APL text and graphics terminal with high resolution graphics, featuring networking and windowing capabilities.

HDS 3200-10
15" Monitor • 1056x400 dpi Resolution • Windowing • VT220/320/330 Emulation • 38.4K bps Max. Baud Rate
Features include seven full screen menus in the set-up mode, a calculator, and a display (24 lines by 80 or 132 columns) mode.

HDS 3200-35
15" Monitor • 1056x800 dpi Resolution • Windowing • VT220/320/330 Emulation • 38.4K bps Max. Baud Rate
Same as HDS3200-25. Also includes true zoom and pan, up to 512KB of local storage, graphics windows for multiple graph display, and a print buffer.

HDS 3220-25
15" Monitor • 1056x800 dpi Resolution • Windowing • VT100/220/330 Emulation • 38.4K bps Max. Baud Rate
Features HDS's Superrefresh Monitor that provides a 75Hz refresh rate, integrated text and graphics capabilities, six multisession windows, and multiple computer connections.

Jupiter Systems

Satellite
19 Monitor • 1280x1024 dpi Resolution • 3-D • Windowing • Terminal Emulation
A dedicated graphics subsystem designed for the system integrator. Possesses extensive graphics capabilities with programmable video and a front-end processor.

MicroTerm

4540
14" Monitor • 800x500 dpi Resolution • Windowing • Tek 4010/4014 Emulation • 19.2K bps Max. Baud Rate
Functions as two separate terminals, at different baud rates, with separate communication protocols.

4560
14" Monitor • 640x480 dpi Resolution • Windowing • 4010/4014 Emulation • 38.4K bps Max. Baud Rate
The 4560 features 4Kx4K addressable memory with dedicated zoom and pan keys, true reverse video graphics capabilities, and drawing speed of two million pixels per second.

5520
14" Monitor • 800x500 dpi Resolution • VT220/320 Emulation • 38.4K bps Max. Baud Rate
Bridges the gap DEC created between its VT320 and 330/340 terminals. Standard features include programmable compose key and function keys operable in the VT100 mode.

5530
14" Monitor • 800x500 dpi Resolution • Windowing • VT100/240/330 Emulation • 38.4K bps Max. Baud Rate
Features ReGIS and Tektronix support, six pages of memory, and high-speed graphics.

Miltope Corporation

TER-100
256x512 dpi Resolution • VT100 Emulation
The TER-100 is MIL qualified.

Modgraph Inc.

GX-1105
14" Monitor • 1024x768 dpi Resolution • VT52/100 Emulation • 38.4K bps Max. Baud Rate

GX-1105-19
19" Monitor • 1024x768 dpi Resolution • VT100 Emulation • 38.4K bps Max. Baud Rate
GX series terminals emulate VT100 and Tek 4105 in text and graphics mode, respectively. Options include mouse and tablet support and multiple (four) graphics screens.

GX-2000
15" Monitor • 1024x780 dpi Resolution • VT100/220 Emulation • 19.2K bps Max. Baud Rate
GX-2000s emulate VT220 and Tek 4014 text and graphics mode, respectively. Feature pan and zoom, scaling and pattern fill capabilities, mouse and tablet support.

Northwest Digital Systems

GP-220Z
14" Monitor • 1024x780 dpi Resolution • VT52/100/220 Emulation • 38.4K bps Max. Baud Rate
Graphics functions include true zoom and pan, area fill, erase, and move, pattern and seed fill, arc draw, and animation. Offers four gray scale levels.

GP220L
14" Monitor • 1024x780 dpi Resolution • VT52/100/220 Emulation • 38.4K bps Max. Baud Rate
Graphics functions include zoom, pan, area fill, erase, move, pattern, seed fill, arc draw, animation. Supports HP, DEC, Epson, C.Itoh, QMS, Apple Imagewriter printers.

Pericom Inc.

MG100
15" Monitor • 1024x780 dpi Resolution • VT100/220 Emulation • 19.2K bps Max. Baud Rate

MG200
15" Monitor • 1024x768 dpi Resolution • Tek 4010/4014 Emulation • 19.2K bps Max. Baud Rate

MG600
15" Monitor • 1024x768 dpi Resolution • Tek 4010 Emulation • 19.2K bps Max. Baud Rate

MG620
20" Monitor • 1024x768 dpi Resolution • Tek 4010 Emulation • 19.2K bps Max. Baud Rate
The MG620 features pan and zoom capabilities, supports digitizer and mouse GIN devices as well as hardcopy output.

MG700
17" Monitor • 1024x768 dpi Resolution • Tek 4010 Emulation • 19.2K bps Max. Baud Rate
Also feature pan and zoom capabilities, support digitizer and mouse GIN devices as well as hardcopy output.

MX7100
14" Monitor • 640x480 dpi Resolution • Windowing • Tek 41/4207 Emulation • 38.4K bps Max. Baud Rate
MX7100 features a drawing speed of 1.5 million pixels per second. Options include increments of .5, 1, and 1.5MB of memory as digitizer support.

MX7200
16" Monitor • 1024x768 dpi Resolution • Windowing • Tek 41/4207 Emulation • 38.4K bps Max. Baud Rate

MX7250
19" Monitor • 1024x768 dpi Resolution • Windowing • Tek 41/4207 Emulation • 38.4K bps Max. Baud Rate
The MX7200 and MX7250 feature a drawing speed of 1.5 million pixels per second as well as optional digitizer support, zoom and pan, and hard copy output.

MX7300
15" Monitor • 1024x768 dpi Resolution • Windowing • Tek 4111/4107 Emulation • 38.4K bps Max. Baud Rate
MX7300 features drawing speed of 1.5 million pixels per second, optional digitizer support. Eight-planes option provides 256 displayable colors from palette of 16.7 million.

MX7350
19" Monitor • 1024x784 dpi Resolution • Windowing • VT100/220/240 Emulation • 38.4K bps Max. Baud Rate
Features drawing speed of 1.5 million pixels per second with optional digitizer support. Optional eight-planes feature provides 256 displayable colors from 16.7 million.

MX7550
19" Monitor • 1024x768 dpi Resolution • Windowing • Tek 41/4207 Emulation • 38.4K bps Max. Baud Rate
MX7550 features selectable screen formats of 24, 32, or 48 lines of 80 or 132 characters, zoom and pan, support for GIN.

Samsung Electron Devices America Inc.

SAMTRON SD-325
14" Monitor • 1.024x800 dpi Resolution • Windowing • VT220/320 Emulation • 57.6K bps Max. Baud Rate
The SAMTRON SD-325 also emulates the Tek 4010/4014 and is high-performance, dual-session, bit-mapped text and graphics.

Spectragraphics Corporation

DS1082 LX
19" Monitor • 1024x1024 dpi Resolution • 3-D • Windowing • VT100 Emulation • 10M bps Max. Baud Rate
Features rotation, scaling, and translation of 2-D and 3-D objects, and intensity modulation of colors to show depth in 3-D images. Emulates IBM 5080 graphics terminal.

LS 2100
19" Monitor • 1280x1024 dpi Resolution • 3-D • Windowing • VT100 Emulation • 3M bps Max. Baud Rate
Provides access to IBM 5080 and other networked applications. Features rotation, scaling and translation of 2-D and 3-D objects and removal of polygons.

Tektronix Inc.

4205
13" Monitor • 480x360 dpi Resolution • Windowing • VT52/100/200 Emulation • 38.4K bps Max. Baud Rate

4207
13" Monitor • 640x480 dpi Resolution • VT100/200 Emulation • 38.4K bps Max. Baud Rate

4208
13" Monitor • 640x480 dpi Resolution • VT100/200 Emulation • 38.4K bps Max. Baud Rate

4209
19" Monitor • 640x480 dpi Resolution • VT100/200 Emulation • 38.4K bps Max. Baud Rate
Allows users to draw on independent surfaces, make surfaces invisible, or overlay two or more surfaces. Provides direct connectivity for simultaneous sessions on multiple hosts.

4211
16" Monitor • 1024x768 dpi Resolution • VT200 Emulation • 38.4K bps Max. Baud Rate
High performance networked graphics station with Intel 386SX and TI 34010 processors and custom gate arrays. Provides graphics performance of 40,000 2-D vectors per second.

4225
16" Monitor • 1280x1024 dpi Resolution • VT220 Emulation • 38.4K bps Max. Baud Rate
High performance networked graphics station equipped with 16MHz 68020 graphics processor and 4-8MB of graphics memory. Comes standard with eight-bit planes.

4235
16" Monitor • 1280x1024 dpi Resolution • 3-D • VT220 Emulation • 38.4K bps Max. Baud Rate
High performance networked graphics station equipped with 16MHz 68020 graphics processor and 4-52MB of graphics memory. Comes standard with four-bit planes.

4236
16" Monitor • 1280x1024 dpi Resolution • 3-D • VT220 Emulation • 38.4K bps Max. Baud Rate
High performance networked graphics station equipped with 16MHz 68020 graphics processor and 4-52MB of graphics memory. Comes standard with eight-bit planes.

4237
16" Monitor • 1280x1024 dpi Resolution • 3-D • VT220 Emulation • 38.4K bps Max. Baud Rate
High-performance networked graphics station equipped with 16MHz 68020 graphics processor and 4-52MB of graphics memory. Comes standard with 12 bit planes.

SF4208
13" Monitor • 640x480 dpi Resolution • VT100/200 Emulation • 38.4K bps Max. Baud Rate
Environmentalized with a sealed keyboard, a chassis to protect equipment from dirt, liquids and excessive cold or humidity. Features an overhead sensor with automatic shutdown.

XN10 Graphics X
15" Monitor • 1024x768 dpi Resolution • Windowing • VT220 Emulation • 38.4K bps Max. Baud Rate
Full color graphics X terminal; supports TCP/IP and DECnet; 5MB local memory is standard, expandable to 11MB.

XN11 Graphics X
15" Monitor • 1024x768 dpi Resolution • Windowing • VT220 Emulation • 38.4K bps Max. Baud Rate
Full color graphics X terminal; supports TCP/IP and Tek 4211 graphics in hardware; 5MB local memory is standard, expandable to 11MB.

XN5 Graphics X
16" Monitor • 1024x1024 dpi Resolution • Windowing • VT100 Emulation • 38.4K bps Max. Baud Rate
High-resolution X terminal; supports TCP/IP, DECnet, and XDMCP; square format (screen and resolution).

XN7 Graphics X
19" Monitor • 1280x1024 dpi Resolution • Windowing • VT100 Emulation • 38.4K bps Max. Baud Rate
High-resolution X terminal; Supports TCP/IP, DECnet, and XDMCP; aspect ratio is 4:3.

Teleray

30
14" Monitor • 640 x 480 dpi Resolution • Windowing • VT340 Emulation • 38.4K bps Max. Baud Rate
The Model 30 allows up to four sessions on-screen at the same time from the same or separate hosts. Each session can be configured with its own display characteristics and set of colors.

Visual Technology Inc.

603
14" Monitor • 1056x400 dpi Resolution • Windowing • VT52/100/220 Emulation • 38.4K bps Max. Baud Rate
The 603 also features a 70Hz refresh rate, a bit-mapped display, and Tektronix 4010/4014 emulation.

630
14" Monitor • 1056x800 dpi Resolution • Windowing • VT52/100/220 Emulation • 38.4K bps Max. Baud Rate
630 has 512KB memory and features 256KB RAM memory to enable compiled C-code to be downloaded and run at terminal level. 630 features standard mouse GIN device.

Workstations

CalComp Inc.

CGS-4600
15" Monitor • 1280x1024 dpi Resolution • VT100 Emulation
Equipped with a powerful graphics engine and a digitizer. This system functions through a single dedicated card in the MicroVAX.

Colorgraphic Communications Corp.

CEBRA 286
19" Monitor • 640x480 dpi Resolution • VT200/VT100/VT52 Emulation • 38.4K bps Max. Baud Rate
Integrated high-performance industrialized PC/AT that uses industry standard hardware and software. Used as standalone terminal or remote information display with local processing capabilities.

Datamedia Corporation

386SX/16-00
14" Monitor • 800x480 dpi Resolution • VT340/241 Emulation • 38.4K bps Max. Baud Rate
Diskless, 386-based LAN workstation. Offers SECUREcard—security access smartcard, controls LAN and local peripheral access. Supports local area networks—DEC's PCSA, Novell's Netware, Sun's PS-NFS.

386SX/16-01
14" Monitor • 800x480 dpi Resolution • VT340/241 Emulation • 38.4K bps Max. Baud Rate
Diskette-based, 386SX LAN workstation. Offers SECUREcard—security access smartcard, controls LAN and local peripheral access. Supports local area networks—DEC's PCSA, Novell's NetWare, Sun's PC-NFS.

386SX/16-04
14" Monitor • 800x480 dpi Resolution • VT340/241 Emulation • 38.4K bps Max. Baud Rate
Hard disk-based, 386SX LAN workstation. SECUREcard—security access. Supports local area networks—DEC's PCSA, Novell's NetWare, Sun's PC-NFS.

COLORSCAN/2
14" Monitor • 640x480 dpi Resolution • VT220/VT241 Emulation • 38.4K bps Max. Baud Rate
Colorscan/2 is a diskless LAN workstation that combines the power of an IBM PC with the communication and graphics capabilities of a DEC terminal.

Evans & Sutherland

ESU series
19" Monitor • 1280x1024 dpi Resolution • 20 MIPS • VT100 Emulation
The PS390A+ provides all the features of the PS390 plus raster text, fast flat shading, host-presorted dynamic area fill, and pickable polygons. It is compatible with PS390 applications and software.

PS390
19" Monitor • 8192x6912 dpi Resolution • VT100 Emulation
The PS390, a high-performance 3-D system, provides the highest image resolution available with a vector performance of 356,000 per second. It supports stereo viewing, optional interfaces, and peripherals.

Intergraph Corporation

InterPro 125
15" Monitor • 1184x884 dpi Resolution • VT220 Emulation • 19.2K bps Max. Baud Rate • Segment Support
Features a 4 MIPS CPU, 6/16MB of memory, and a standard 156MB internal disk. A 19" monitor is also available.

InterPro 225
19" Monitor • 15184x884 dpi Resolution • 5 MIPS • VT220 Emulation • 19.2K bps Max. Baud Rate • Segment Support
Features a 5 MIPS CPU, 8/16MB of memory, and a standard 180MB internal disk.

InterPro 3055
19" Monitor • 1184x884 dpi Resolution • VT220 Emulation • 19.2K bps Max. Baud Rate • Segment Support
Features a 10 MIPS CPU, 16/112MB of memory, and a standard 670MB internal disk.

InterPro 3070
27" Monitor • 1664x1248 dpi Resolution • VT220 Emulation • 19.2K bps Max. Baud Rate • Segment Support
Features a 10 MIPS CPU, 16/80MB memory, and a standard internal 355MB/670MB disk.

InterPro 340
19" Monitor • 1184x884 dpi Resolution • VT220 Emulation • 19.2K bps Max. Baud Rate • Segment Support
Features a 5 MIPS CPU, 8/16MB of memory, and a standard 156MB internal disk.

InterPro 6040
19" Monitor • 1184x884 dpi Resolution • 10 MIPS • VT220 Emulation • 19.2 Max. Baud Rate • Segment Support
Features a 10 MIPS CPU, 16/80MB of memory, and a standard 180MB/355MB/670MB internal disk.

InterPro 6080
19" Monitor • 1184x884 dpi Resolution • 10 MIPS • VT220 Emulation • 19.2 Max. Baud Rate • Segment Support
Features a 10 MIPS CPU, 16/80MB of memory, and a standard 355MB/670MB internal disk.

InterPro 6240
19" Monitor • 1184x884 dpi Resolution • 14 MIPS • VT220 Emulation • 19.2 Max. Baud Rate • Segment Support

InterPro 6280
19" Monitor • 1184x884 dpi Resolution • 14 MIPS • VT220 Emulation • 19.2 Max. Baud Rate • Segment Support
Models 6240 and 6280 feature a 14 MIPS CPU, 16/80MB of memory, and a standard 355MB/670MB internal disk.

MIPS Computer Systems Inc.

Magnum 3000
17" Monitor • 1280x1024 dpi Resolution • 25 MIPS • Terminal Emulation • 38.4 Max. Baud Rate
MIPS Computer Systems is a leading supplier of RISC technology, computer systems, optimizing compilers, and operating systems. MIPS markets a full range of high-performance computer systems based on UNIX and RISC.

Northgate Computer Systems Inc.

Northgate 486/25
14/16" Monitor • 640x400 dpi Resolution • VT100/VT52 Emulation • 9600 Max. Baud Rate • Segment Support
Super microprocessor, 80486 25MHz-based desktop or tower configuration. MS-DOS 4.01, Windows 3.0 mouse, 4MB memory, 200MB hard disk drive, VGA monochrome adapter monitor included.

Pericom Inc.

TEEM STATION 12
19" Monitor • 640x480 dpi Resolution • VT220/240 Emulation • 38.4K bps Max. Baud Rate • Segment Support
TEEM STATION 12 is an 80286 12MHz PC featuring a 44MB, 18ms hard drive, six expansion slots — five 16-bit, one 8-bit, four slots free.

TEEM STATION 25T
19" Monitor • 640x480 dpi Resolution • VT220/240 Emulation • 38.4K bps Max. Baud Rate • Segment Support
Teem Station 25T is an 80386 25MHz Tower PC with an 80MB, 18ms hard drive, eight expansion slots, TeemText high-performance graphics card.

TEEM STATION-20
19" Monitor • 640x480 dpi Resolution • VT220/240 Emulation • 38.4K bps Max. Baud Rate • Segment Support
Teem Station -20 is an 80386 20MHz PC featuring a 44MB 28ms hard disk, TeemText high-performance text card, 1.2MB floppy and six expansion slots.

TEEM STATION-25
19" Monitor • 640x480 dpi Resolution • VT220/240 Emulation • 38.4K bps Max. Baud Rate • Segment Support
Teem Station -25 is an 80386, 25MHZ PC with an 80MByte 18ms hard disk, 32K cache, TeemText high-performance text card, and TeemTouch keyboard.

Silicon Graphics Inc.

Personal IRIS
19" Monitor • 1280x1024 dpi Resolution • 16 MIPS • VT100 Emulation • 38.3K bps Max. Baud Rate
Silicon Graphics has combined advanced 3-D graphics, powerful computing and ease of operation to create the Personal IRIS 3-D workstation. Prices start at $10,000.

Spectragraphics Corporation

CS 1080
Terminal Emulation • 10M bps Max. Baud Rate
Graphics and communication system that provides 5080 terminal emulation, IBM mainframe communications for the DEC workstations. Allows users access to applications directly from workstations.

Tektronix Inc.

4319 2D Graphics
16" Monitor • 1280x1024 dpi Resolution • 3 MIPS • Tek 4125/4128 Emulation • 38.4K bps Max. Baud Rate
The 4319 is equipped with 20MHz 68020 and 68881 coprocessors and Tek's color-cache gate array for custom graphics acceleration. Includes 4MB RAM.

4325
16" Monitor • 1280x1024 dpi Resolution • 3 MIPS • Tek 4125/VT100 Emulation • 38.4K bps Max. Baud Rate • Segment Support
The 4325 is equipped with 86MB hard disk, 1.2MB flexible disk, 8MB of graphics memory, 20MHz 68020 and 68881 coprocessors, and 16MHz 68020 graphics processor.

4335
16" Monitor • 1280x1024 dpi Resolution • 3 MIPS • Tek 4125/4128 Emulation • 38.4K bps Max. Baud Rate • Segment Support
The 4335 is equipped with 86MB hard disk, 1.2MB flexible disk, 12MB of graphics memory, 20MHz 68020 and 68881 coprocessors, and 16MHz 68020 graphics processor.

4336
16" Monitor • 1280x1024 dpi Resolution • 3 MIPS • Tek 4125/4128 Emulation • 38.4K bps Max. Baud Rate • Segment Support
The 4336 is equipped with 86MB hard disk, 1.2MB flexible disk, 12MB of graphics memory, 20MHz 68020 and 68881 coprocessors, and 16MHz 68020 graphics processor.

4337
16" Monitor • 1280x1024 dpi Resolution • 3 MIPS • Tek 4125/4128 Emulation • 38.4K bps Max. Baud Rate • Segment Support
The 4337 is equipped with 86MB hard disk, 1.2MB flexible disk, 12MB of graphics memory, 20MHz 68020 and 68881 coprocessors, and 16MHz 68020 graphics processor.

XD88/10
19" Monitor • 1280x1024 dpi Resolution • 17 MIPS • VT100/220 Emulation • 38.4K bps Max. Baud Rate
The 17 MIPS XD88/10 comes standard with 20MHz 88100 CPU, integral floating point unit and Tek's color-cache gate array for custom graphics acceleration.

XD88/30
19" Monitor • 1280x1024 dpi Resolution • 17 MIPS • VT100/VT220 Emulation • 38.4K bps Max. Baud Rate • Segment Support
The 17 MIPS XD88/30 comes standard with 20MHz 88100 CPU, integral floating point unit and 64KB cache memory. Includes 156MB hard disk storage.

Virtual Imaging

VIEW2000
19" Monitor • 1280x1024 dpi Resolution • 19.2K bps Max. Baud Rate • Segment Support
The VIEW2000 image display station features a 1386 control microprocessor, a 5 1/4" flexible disk, and a 40MB hard disk (with an optional expansion in capacity).

VIEWbox
19" Monitor • 2048x2048 dpi Resolution • 19.2K bps Max. Baud Rate
The VIEWbox is an image display station designed to provide viewing of high-quality images primarily obtained from, or processed on, a VIEW2000.

X-Windows Terminals

GraphOn Corporation

OptimaX 200
14" Monitor • 800x600 Bits Resolution • 57.6K bps Max. Baud Rate • VT100/220 Emulation • Serial Port • 1 y Warranty
The OptimaX 200 supports DECwindows and X Window applications. A mouse is standard. This fast X terminal can use existing serial lines and has remote capability.

Human Designed Systems

ViewStation
21" Monitor • 1280x1024 Bits Resolution • 10M bps Max. Baud Rate • Ethernet • Serial Port • Parallel Port • 1 y Warranty
Supports up to 9MB of memory. Includes a 10MHz Intel 80186 for communications and preprocessing, plus a TI 34010 controller for graphics processing and display.

Jupiter Systems

410
19" Monitor • 1280x1024 Bits Resolution • Ethernet • Terminal Emulation • Serial Port • 6 mo Warranty
Model 410 offers graphics, text and imaging performance that exceeds most color workstations. Provides up to 16MB of memory, optional floating point and support for 12-bit images.

Network Computing Devices

NCD 16
16" Monitor • 1024x1024 Bits Resolution • 10M bps Max. Baud Rate • Ethernet • VT100/VT220 Emulation • Serial Port • 6 mo Warranty

NCD16e
16" Monitor • 1024x1024 Bits Resolution • 10M bps Max. Baud Rate • Ethernet • VT100/VT220 Emulation • Serial Port • 6 mo Warranty
These network display stations support the X Window System for windowing and graphics capabilities and Ethernet with TCP/IP or DECnet for network communications.

NCD17c
17" Monitor • 1024x768 Bits Resolution • 10M bps Max. Baud Rate • Ethernet • VT100/VT220 Emulation • Serial Port • 6 mo Warranty
The NCD17c color network display station (256 displayable colors) supports the X Window System for windowing, graphics capabilities; Ethernet with TCP/IP or DECnet for network communications.

NCD19
19" Monitor • 1280x1024 Bits Resolution • 10M bps Max. Baud Rate • Ethernet • VT100/VT220 Emulation • Serial Port • 6 mo Warranty
The NCD19 network display station supports the X Window System for windowing and graphics capabilities and Ethernet with TCP/IP or DECnet for network communications.

Northwest Digital Systems

GP-220W
14" Monitor • 1024x780 Bits Resolution • 38.4K bps Max. Baud Rate • VT100/220 Emulation • Serial Port • 1 y Warranty
Same as the GP-220Z (see graphics terminals). Also features 512KB of memory as well as the ability to maintain 16 separate text windows while directly managing these windows through a command application program.

XT.15
15" Monitor • 1024x800 Bits Resolution • 10M bps Max. Baud Rate • Ethernet • VT100 Emulation • Serial Port • 1 y Warranty
The XT.15 produces a crisp image with 76Hz refresh, 1024x800 resolution and a 15" page white monitor. Up to 10MB memory optional.

XT.19
19" Monitor • 1024x800 Bits Resolution • 10M bps Max. Baud Rate • Ethernet • VT100 Emulation • Serial Port • 1 y Warranty
The XT.19 is a high-performance terminal with a 19" monitor at a 76Hz refresh rate. Optional 10MB memory suited for CAD/CAM/CAE.

Spectragraphics Corporation

LS 800
19" Monitor • 1024x800 Bits Resolution • 10M bps Max. Baud Rate • VT100/3270 Emulation
X-Terminal with local client processing. TWM, VT100 and 3270 execute as local clients. RS-232 and Ethernet communications. Point and click setup panels.

LS 900
17" Monitor • 1024x768 Bits Resolution • 38.4 Max. Baud Rate • Ethernet • VT220/3270 Emulation • Serial Port • 1 y Warranty
X terminal with local client processing. TWM, VT100, VT220, and 3270 execute as local clients. RS232 and Ethernet communications. Point and click setup panels.

Visual Technology Inc.

X-15
15" Monitor • 1024x800 Bits Resolution • 38.4K bps Max. Baud Rate • Ethernet • VT102 Emulation • 1 y Warranty

X-19
19" Monitor • 1152x900 Bits Resolution • Ethernet • VT102 Emulation • Serial Port • 1 y Warranty
15" or 19" monochrome high-performance X-Display station with full DECwindows support. Includes keyboard, optical mouse, integrated Ethernet with DECnet or TCP/IP.

X-19 Turbo XDS
19" Monitor • 1280x1024 Bits Resolution • 38.4K bps Max. Baud Rate • Ethernet • VT102 Emulation • Serial Port • 1 y Warranty
19" ultra high-performance X-Display station with full DECwindows support. Includes two-plane grayscale, keyboard, optical mouse, integrated Ethernet with DECnet or TCP/IP.

OUTPUT DEVICES

BAND PRINTERS

Model	Graphics Support	Color Capabilities	Printing Speed (lpm)	Standard Characters	Compressed Characters	Maximum Paper Width	Paper Type	Controller Included	Dimensions (wxhxd)	Serial/Parallel	Price
Data Systems Hardware 800 937-3744											
VX035L			1150	132	132	16"	C		32x45x28	S/P	$9,995
VX036			1500	132		15"	C	Y	44.5x34.3x29.7	S/P	$24,000+
VX037			2000	132	132	18.5"	C		44.5x34.3x29.7	S/P	$24,000+
VX157	Y		600	132	250	16"	C		22.5x33x38.5	S/P	$7,995
VX159	Y		900	132	250	16"	C		22.5x33x38.5	S/P	$9,995
DataProducts Corporation 818 887-8000											
BP 1500			1500	48		18.75"	C	Y	35.5x49x29.5	S/P	$22,700
BP 2000			2000	48		18.75"	C	Y	35.5x49x29.5	S/P	$30,390
LB 1515			1210	64		16"	C	Y	31x44x27	S/P	$15,300
LB 300			325	64		16"	C	Y	31x44x27	S/P	$5,810
LB 315			325	64		16"	C	Y	31x44x27	S/P	$6,775
LB 615			650	64		16"	C	Y	31x44x27	S/P	$7,590
DeRex Inc. 305 753-0840											
9000-IV			1700	48-96		18"	C	Y	42x47x33	P	$26,950
B1000			1000	48-96		16"	C	Y	34x44.5x30	S/P	$13,250
B1500			1500	48-96		18.75"	C	Y	35.5x49x29.5	P	$22,000
B2000			2000	48-96		18.75"	C	Y		S	$29,950
B300			300	48-96		16"	C	Y	30x15x25	S	$6,375
LW1000			1200	48-96		18"	C	Y	29x43x33	S/P	$9,950
LW400			400	48-96		18"	C	Y	29x36x27	S/P	$4,995
LW800			800	48-96		18"	C	Y	29x36x27	S/P	$6,995
Genicom Corporation 800 443-6426											
4285			2000	132		18"	C		42x47x32	P	$26,950
E Series Model III			1600	48	132	16.25"	C		34x48x27	P	$18,950
Linewriter 1255			1200	64	132	18"	C		29x43x33	S/P	$11,595
Linewriter 400			400	132	198	18"	C		29x36x27	S/P	$6,096
Linewriter 455			400	132	198	18"	C		29x43x33	S/P	$6,913
Linewriter 800			720	132		18"	C		29x36x27	S/P	$7,490
Linewriter 855			720	132		18"	C		29x43x33	S/P	$8,307
InterScience Computer Corp. 818 707-2000											
ICS 1015			1100	64-96		16"	C	Y	34.3x44.5x29.7	S/P	
ICS 1500			1250	64-96	96	18.75"	C	Y	35.5x49x29.5	S/P	$20,031
ICS 2000			1680	64-96	96	18.75"	C	Y	35.5x49x29.5	S/P	$25,431
ICS 300			300	64-96		16.75"	C	Y	23.3x10.75x17.75	S/P	
ICS 315			300	64-96		16.75"	C	Y	23.4x39.4x23.4	S/P	
ICS 600			600	64-96		16.75"	C	Y	23.4x39.4x30	S/P	
ICS 615			600	64-96		16.75"	C	Y	23.4x39.4x30	S/P	
LM1200	Y		1200	64-96		18"	C	Y	38.7x43.3x25	S/P	
LM900	Y		900	64-96		18"	C	Y	38.7x43.3x25	S/P	
Printdata 203 847-0064											
Fujitsu/NCR/6470											$6,000+

DOT MATRIX PRINTERS

Model	Serial/Line Printer	Resolution (Bits)	Paper Type	Maximum Paper Width	Draft Printing Speed	Buffer Size (Bytes)	Standard Characters	NLQ Printing Speed	Compressed Characters	Serial/Parallel	Warranty	Price
Axonix Corporation 800 866-9797												
LiteWrite	S	240x240	S/C/R	10"	100 cps	4K	80/132	25 cps	136	S/P	1 y	$529
CIE America Inc. 714 757-4483												
CI-2500	S	180x120	C/R	15.5"	300 cps	10K	136	50 cps	220	S	1 y	$1,049
CI-400	L	200x288	C	16"	400 lpm	4K	136	85 lpm	220	S/P	1 y	$5,595
CI-4010	S	240x144	C/S	16"	400 cps	10K		87.5 cps	217	S/P	1 y	$2,195
CI-4020	S	240x144	C/S	16"	400 cps	18K		87.5 cps	233	S/P	1y	$2,195
CI-4030	S	206x144	C/S	16"	400 cps	2K		87.5 cps	233	S/P	1 y	$2,195
CI-5000	S	330x216	S/C/R	16"	540 cps	8K	136	110 cps	233	S/P	1 y	$1,995
CI-800	L	200x288	C	16"	800 cps	4K	136	170 lpm	220	S/P	1 y	$7,495
ProWriter C815	S		S/C	15.5"	570 cps	42K		162 cps		S/P	1 y	$2,195
CTSI International Inc. 516 864-5260												
1000	S/L	72x72	C	16"	200 cps	3410	136	100 cps	224	S/P	90 d	$1,695
1100	S/L	144x144	C	16"	200 cps	3410	136	40 cps	224	S/P	90 d	$1,795
1200	S/L	144x144	C	16"	200 cps	3410	136	40 cps	224	S/P	90 d	$2,295
1400	S/L	144x144	C	16"	400 cps	4K	136	80 cps	224	S/P	90 d	$2,195
800	S/L	144x144	C	16"	200 cps	3-4K	136	40 cps	224	S/P	90 d	$1,995
8400	S/L	144x144	C	16"	400 cps	4K	136	80 cps	224	S/P	90 d	$2,495
DataProducts Corporation 818 887-8000												
LM1200	L	140x144	C	18"	1200 lpm		170	320 lpm	283	S/P	1 y	$27,595
LM300	L	140x144	C	16.75"	300 lpm		138	150 cps	231	S/P	1 y	$5,795
LM315	L	140x144	C	16.75"	300 lpm		138	150 cps	231	S/P	1 y	$6,895
LM600	L	140x144	C	16.75"	600 lpm		138	300 cps	231	S/P	1 y	$7,895
LM615	L	140x144	C	16.75"	600 lpm		138	300 cps	231	S/P	1 y	$8,795
Datasouth Computer Corporation 704 523-8500												
DS400	S		C	15"	400 cps		132		217	S/P	1 y	$1,995
DeRex Inc. 305 753-0840												
3410 XDQ	S	144x144	C/S	15.5"	400 cps	2K		100 cps		S/P	90 d	$2,275
3800	S	400x144	C/S	16"	500 cps	64K		125 cps		S/P	90 d	$2,100
Facit Inc. 603 647-2700												
B1200	S	60x240	C	10"	160 cps	8K	80	28 cps		S/P	1 y	$325
B3100	S	60x240	C/S	10"	250 cps	12K	80	60 cps		S/P	1 y	$745
B3150	S		C	16"	250 cps	12K	136	60 cps		S/P	1 y	$895
B3450	S	60x360	C/S	16"		16K	136	80 cps		S/P	1 y	$1,298
Genicom Corporation 800 443-6426												
3320Q	S	144x144	S/C	15.5"	360 cps	512K	136	180 cps	244	S/P	1 y	$1,965
3410 XLQ	S	144x144	S/C	15.5"	480 cps	2K	136	120 cps	244	S/P	1 y	$2,175
Series 1020	S	240x144	S/C/T	16"	200 cps	2K	136	100 cps	231	S	1 y	$1,170
Series 1025	S	240x144	S/C	11"	200 cps	2K	80	100 cps	136	S	1 y	$899
Series 3000	S	288x144	S/C	15.5"	480 cps	512K	132	180 cps	244	S/P	1 y	$1,495+
Series 3000Q	S	288x144	S/C	15.5"	480 cps	512K	132	180 cps	244	S/P	1 y	$1,495+
Series 4410	L	140x144	C	16.54"	400 lpm	2K	136	82 lpm	204	S/P	1 y	$6,195
Series 4440	L	140x144	C	16.54"	800 lpm	2K	136	165 lpm	204	S/P	1 y	$7,795
Series 4470	L	280x144	C	16.54"	1200 lpm	2K	136	250 lpm	204	S/P	1 y	$12,228
Series 4490	L	280x144	C	16.54"	1400 lpm	2K	136	300 lpm	204	S/P	1 y	$17,228
Ideal Technologies 213 827-9023												
820KSR		9x7	C	15"	150 cps	1K	ASCII 128		132	S	90 d	$2,165
885D Demand Document		7x9	C	9.5"	300 cps	6K	ASCII 96	75 cps	132	S/P	90 d	$2,295

DOT MATRIX PRINTERS

Model	Serial/Line Printer	Resolution (Bits)	Paper Type	Maximum Paper Width	Draft Printing Speed	Buffer Size (Bytes)	Standard Characters	NLQ Printing Speed	Compressed Characters	Serial/Parallel	Warranty	Price
Ideal Technologies 213 827-9023 (continued)												
8920 Forms Printer		7x9	C	15"	600/400	32K	ASCII 96	100 cps	132	S/P	1 Y	$2,345
InterScience Computer Corp. 818 707-2000												
8070+		168x84	S/C	13.2"		4K		100 cps		S/P		
ICS 9030		240x72	S/C	11"				53 cps		S/P		
ICS 9034			S/C	11"				83 cps		S/P		
ICS 9040		240x72	S/C	15.5"				53 cps		S/P		
ICS 9044		240x72	S/C	15.5"				33 cps		S/P		
ICS MX100					340 cps			140 cps				
ICS MX120			C	15"			72	180 cps	132	S/P		
ICS MX200			C	15"			72	340 cps	132	S/P		
Ithaca Peripherals Inc. 607 898-9970												
PcOS 250	S	144x144	C	8.5"	160 cps	2K	80	40 cps	132	S/P	2 y	$995
PcOS 51	S	144x144	C	3.25"	200 cps	2K	40	160 cps	56	S/P	2 y	$420
PcOS 52	S	144x144	C	3.25"	200 cps	2K	40	160 cps	56	S/P	2 y	$495
PcOS 53	S	144x144	C	3.25"	200 cps	2K	40	160 cps	56	S/P	2 y	$480
Okidata Corporation 800 654-3282												
Microline 172	S	240x216	C/S	10.5"	180 cps	1 line	80	30 cps	137	S/P	1 y	$289
Microline 182 Turbo	S	240x216	C/S	10.5"	220 cps		80	38 cps	137	P	1 y	$339
Microline 320	S	240x216	C/S	10"	300 cps	28K	80	63 cps	160	P/S	1 y	$499
Microline 321	S	240x216	C/S	16"	300 cps	28K	136	63 cps	272	P/S	1 y	$699
Microline 380	S	180x360	C	8.5"	180 cps	8K	80	60 cps	160	P/S	1 y	$449
Microline 390+	S	360x360	C	8.5"	270 cps	23K	136	90 cps	272	P	1 y	$699
Microline 391+	S	360x360	C	8.5"	270 cps	23K	136	90 cps	272	P	1 y	$949
Microline 393 Plus	S	360x360	C	16"	415 cps	23K	136	140 cps	272	S/P	1 y	$1,499
PM 2410	S	144x144	C	14.3"	350 cps	4K	136	87.5 cps	233	S/P	90 d	$2,499
Output Technology Corporation 509 926-3855												
2142	S/L	144x144	C	16"	400 lpm	8K		85 cps		S/P	90 d	$4,995
2162	S/L	144x144	C	16"	600 lpm	8K		120 cps		S/P	90 d	$6,450
2180	L	144x144	C	16"	800 lpm	8K				S/P		$9,800
560DL	S/L	240x216	C	16"	560 cps	20K		68 cps		S/P	6 mo	$1,995
850PrintNet	S/L	240x216	C	16"	240 lpm	256K		32 lpm	247	S/P	6 mo	$2,995
850XL	S/L	240x216	C	16"	240 lpm	8K		32 lpm	247	S/P	6 mo	$2,495
Printdata 203 847-0064												
Fujitsu DL4400/5600	S	360x180	C	13.6	486 cps	24KB	96	162	244	S/P	90 d	$1,100+
Printek Inc. 616 925-3200												
910HT	S	144x144	C	16"	200 cps	2K		45		S/P	1 y	$1,425
920HT	S	144x144	C	16"	340 cps	2K		80		S/P	1 y	$1,895
930dlx Forms Printer	S	144x144	S/C	16"	200 cps	2K		40		S/P	1 y	$2,195
FormsPro 2000	S	144x144	C	15"	200 cps	2K		40		S/P	1 y	$2,095
Printronix Inc. 714 863-1900												
MVP Series	L	120x72	C	16"	150 lpm	256K		80 lpm		S/P	1 y	$3,745
P3040	L	180x96	C	16"		1K		400 lpm		S/P	1 y	$4,750
P6000L Series	L	120x72	C	16"	800 lpm			180 lpm		S/P	1 y	$5,400+
P9012	L	120x72	C	16"	1200 lpm		132	480 lpm		S/P	1 y	$13,950
Summus Computer Systems 713 492-6611												
SUM-2400	S	200x200	C	14.5"		24K	136	60 cps		S	90 d	

DOT MATRIX PRINTERS

Model	Serial/Line Printer	Resolution (Bits)	Paper Type	Maximum Paper Width	Draft Printing Speed	Buffer Size (Bytes)	Standard Characters	NLQ Printing Speed	Compressed Characters	Serial/Parallel	Warranty	Price
Tempest Technologies Inc. 703 471-0157												
1020T	S	120x48	C/S	16"	200 cps	2K	132	100 cps	250	S/P	90 d	$2,995
LPF 5600	L	120x72	C	16"				600 lpm		S/P	90 d	$11,500
LPF 5600XQ	L	120x72	C	16"				600 lpm		S/P	90 d	$12,800
LPM 5300	L	120x72	C	16"				300 lpm		S/P	90 d	$9,950
LPM 5300XQ	L	120x72	C	16"				300 lpm		S/P	90 d	$11,250
SLP 3184	S	144x144	S/C	15.5"	200 cps	512		50 cps		S/P	90 d	$2,895
SLP 3304	S	144x144	S/C	15.5"	200 cps	512		100 cps		S/P	90 d	$3,595
SLP 3404	S	144x144	S/C	15.5"	400 cps	512		100 cps		S/P	90 d	$3,995
Texas Instruments Inc. 817 774-6252												
810	S		C	15"	150 cps	256			132*	S/P	3 mo	$1,645
810LQ	S		C	15"		3K		20 cps	218	S/P	3 mo	$2,495
850C	S	144x144	C	11"	150 cps	256		35 cps	134	S/P	3 mo	$599
850XL	S	144x144	C	11"	150 cps	256		35 cps	134	S/P	3 mo	$599
855	S	144x144	C	11"	150 cps	256		35 cps	134	S/P	3 mo	$739
860XL		144x144	C	16"	150 cps	256		35 cps	227	S/P	3 mo	$899
865	S	144x144	C	16"	150 cps	256		35 cps	227	S/P	3 mo	$999
875		144x144	C	10"	240 cps			35 cps	227	S/P	3 mo	$799
877		144x144	C	16"	240 cps			35 cps		S/P	3 mo	$999
880		144x144	C	15"	300 cps	2K		75 cps	220	S/P	3 mo	$2,195
880DP		144x144	C	15"	300 cps	2K		150 cps	220	S/P	3 mo	$2,195
885		144x144	C	9.5"	300 cps	6K			132	S/P	3 mo	$2,295

ELECTROSTATIC PLOTTERS

Model	Color/ Monochrome	# of Colors	Resolution (dpi)	Paper Type	Maximum Paper Width	Dimensions (wxhxd)	Plotting Speed	Serial/Parallel	Plot Memory (Bytes)	Controller Included	Warranty	Price
CalComp Inc. 603 885-8028												
57424	M		400x400	C/F	24"	36x44x24	.7 ips	S/DP	25/25M	Y	90 d	$25,995
57424XP	M		400x400	C/F	24"	36x44x24	.7 ips	S/DP	25/140M	Y	90 d	$30,495
57436	M		400x400	C/F	36"	54x44x24	.5 ips	S/DP	25/140M	Y	90 d	$29,995
57436XP	M		400x400	C/F	36"	54x44x24	.5 ips	S/DP	24/140M	Y	90 d	$34,495
57444	M		400x400	C/F	44"	63x44x24	.4 ips	S/DP	24/140M	Y	90 d	$64,995
57444XP	M		400x400	C/F	44"	63x44x24	.4 ips	S/DP	25/140M	Y	90 d	$69,495
58424	C	4	400x400	C/F	24"	56x48x28	.8 ips	S/DP	12M	Y		$49,000
58424XP	C	4	400x400	C/F	24"	56x48x28	.8 ips	S/DP	24/280M	Y		$57,500
58436	C	4	400x400	C/F	36"	56x48x28	.6 ips	S/DP	12M	Y		$59,000
58436XP	C	4	400x400	C/F	36"	56x48x28	.6 ips	S/DP	25/280M	Y		$67,500
58444	C	4	400x400	C/F	44"	64x48x28	.5 ips	S/DP	12M	Y		$69,000
58444XP	C	4	400x400	C/F	44"	64x48x28	.5 ips	S/DP	25/280M	Y		$77,500
drawingMaster 52224		2	200	C	24"	31x47.75x28.5	1.8	S/P	25M	Y	90 d	$14,995
DrawingMaster 52236		2	200	C	36"	46x42x29	1.2	S/P	25M	Y	90 d	$19,995

ELECTROSTATIC PLOTTERS

Model	Color/ Monochrome	# of Colors	Resolution (dpi)	Paper Type	Maximum Paper Width	Dimensions (wxhxd)	Plotting Speed	Serial/Parallel	Plot Memory (Bytes)	Controller Included	Warranty	Price
Precision Image Corporation 415 366-8900												
C448	C	65K	400x400	S	48"	75x50x29	6	S/P	20M	Y	90 d	$59,000
M448	M		400x400	S	48"	75x50x29	1.5 min	S/P	20M	Y	90 d	$45,000
Versatec 800 538-6477												
8524	M		200x200	R	24"	38.5x42.25x25	1	S/P		Y		$16,900
8536	M		200x200	R	36"	50.75x42.25x25	1	S/P		Y		$19,900

HARD COPY UNITS

Model	Color/ Monochrome	Copy Time	Resolution (Bits)	# of Gray Scales	# of Displayable Colors	Addressability (Bits)	Paper Type	Paper Size	Dimensions (wxhxd)	Image Download Time	Price
Codonics Inc. 216 243-1198											
VP-3500	M	30s	300x300	64		1280x1280	R				$6,700
VP-95 II	M	10s	300x300	1		1280x1280	R				$4,200
Tektronix Inc. 206 253-5019											
HC01	M	17s		16			R	4x5	8.3x4.4x14.1		$980
HC02	M	21s		16			R	8.5x11	14.5x4.7x13.3		$1,275
RGBII	C	43s	300x300	256	16M	4	S	A	21.8x12.6x21.2	4s	$7,800

INK JET PRINTERS

Model	Resolution (Bits)	Graphics Support	Paper Type	Paper Size	Color Palette	Resident Fonts	Printing Speed	Downloadable Fonts	Serial/Parallel	Warranty	Price
Eastman Kodak 800 255-3434											
Diconix 150 Plus	192x192		S/C/T			Y			P		$499
Hitachi America Ltd. 408 773-8833											
HJP-1610	400x400				>262K				S		$150,000
Tektronix Inc. 206 253-5019											
4696	120x120	Y	S/T	A	8		35 cps		P	90 d	$1,795

ION DEPOSITION PRINTERS

Model	Printing Speed (ppm)	Resident Fonts	Downloadable Fonts	Paper Size	Paper Input Capacity	Paper Output Capacity	Dimensions (wxhxd)	Monthly Duty Cycle (pages)	Serial/Parallel	Price
Data Systems Hardware 800 937-3744										
VX023	30	43	Y	A/B	500/1500	500/2500	27x24x23	250K	S/P	$21,995
VX06	24	12		A/B	250/500	750	27x25x19	80K	S/P	$13,995
DeRex Inc. 305 753-0840										
S3000	30	8		A/Lgl/A4	2500	3000	27x24x23	250K	P	$12,995
S3000-II	30	8	24	A/Lgl/A4	2500	3000	27x24x23	250K	P/E	$18,995
S4500	45	8		A/Lgl/A4	2500	700	27x24x23	250K	P/E	$21,995
S4500-II	45	8	24	A/Lgl/A4	1000	700	27x24x23	250K	P/E	$26,995
S6000-II	75	8	22	A/Lgl/A4	1500	1500	52x49x27	1m	P	$51,150
Image Systems Inc. 714 757-4489										
MegaLine	30/45	4	16	A/Lgl	1000/2500	1000	27x24x23	250K	P	$12,995
MegaPro	30/45	8	24	A/Lgl	1000/2500	1000	27x24x23	250K		$16,995
MegaServe	30/45	43	Y	A/Lgl/A4	1000/2500	1000	27x24x23	250K	S/P	$21,995
Miltope Corporation 516 420-0200										
3802	90	4		9 1/2"			32x50x28	1.5m	DP	$69,950
Series 30L	30	8		A	2000/500	500/500	25x22x20	250K	S	$14,000
Series 30M	30	8		A	2000/500	500/500	25x22x20	250K	DP/P	$24,950
Series 37	37	8		9 1/2"			48x48x26	250K	DP/P	$39,950
Series 60	60	4		A	1500	1500		1.5m	DP/P	$60,950
Series 75	75	4		A	1500	1500	52x49x27	1.5m	S	$69,950
NBS Southern Inc. 800 327-5602										
3880	80	115		A/Lgl	400	2000	50x48.5x25	800K		$64,950
Mercurion 1/80	80	4/8		A/Lgl	400	2000	50.12x46.5x25	500K		$49,950

LASER PRINTERS

Model	Postscript	Printing Speed (ppm)	Resolution (dpi)	Resident Fonts	Downloadable Fonts	Paper Size	RAM (Bytes)	Paper Input Capacity	Dimensions (wxhxd)	Monthly Duty Cycle (pages)	Serial/Parallel	Price
Advanced Technologies International 408 942-1780												
0880/DW-2		8	300x300	Y	Y	A	768K	1000	21x14x17	6K	S/P	$4,795
0880/DW-3		8	300x300	Y	Y	A	2M	1000	21x14x17	6K	S/P	$4,795
0880/GR-2		8	300x300			A	2M	1000	21x14x17	6K	P	$5,695
1570/DW-2		15	300x300	Y	Y	A/Lgl	768K	500	22x16x19	25K	S/P	$7,995
1570/DW-3		15	300x300	Y	Y	A/Lgl	2M	500	22x16x19	25K	S/P	$7,995
2670/DW-2		26	300x300	Y	Y	A/Lgl/B	768K	1500	27x16x24	100K	S/P	$17,995
2670/DW-3		26	300x300	Y	Y	A/Lgl/B	2M	1500	27x16x24	100K	S/P	$17,995
2670/GR-2		26	300x300			A/Lgl/B	2M	1500	27x16x24	100K	S/P	$17,995
LC-6026		26	300x300	Y	Y	A/Lgl/B	4-8M	1500	27x16x24	100K	S/P	$24,900
BGL Technology Corporation 805 987-7305												
Mark B		8	300x300	9	Y	A/Lgl	1M	250	17x10.5x18	10K	S/P	$2,095
Mark I		12	300x300	17	Y/Unltd	Lgl/A5/B5	8M	750	18.9x12.6x19.4	25K		$5,495
Mark I Plus		12	300x300	24	Y/Unltd	Lgl/A5/B5	8M	750	18.9x12.6x19.4	25K	S/P	$6,495
Mark II		26	300x300	17	Unltd	A3/A5/B5	8M	2000	26.7x16.1x23.4	100K	S/P	$13,695

LASER PRINTERS

Model	Postscript	Printing Speed (ppm)	Resolution (dpi)	Resident Fonts	Downloadable Fonts	Paper Size	RAM (Bytes)	Paper Input Capacity	Dimensions (wxhxd)	Monthly Duty Cycle (pages)	Serial/Parallel	Price
BGL Technology Corporation 805 987-7305 (continued)												
Mark III		26	300x300	24	Unltd	A3/A5/B5	8M	2000	26.7x16.1x23.4	100K	S/P	$15,995
Mark IT		12	300x300	17	Y	Lgl/A5/B5	8M	750	18.9x12.6x19.4	25K	S/P	$8,995
Mark IV	Y	26	300x300	35	Y/Unltd	Lgl/A5/B5	8M	2000	26.7x16.1x23.4	100K	S/P	$18,995
Camintonn Corporation 714 553-0247												
TurboLaser/PS	Y	8	300x300	35		A/A4	3M	250		10K	S/P	$5,295
TurboLaser/PS-Plus3	Y	8	300x300	35		A/A4	3M	250		10K	S/P	$5,695
Data Systems Hardware 800 937-3744												
VX 020	Y	12	300x300	35		A/B	4M	250/500	12.6x18.9x19.4	25K	S/P	$7,995
DataProducts Corporation 818 887-8000												
LZR 1230		12	300x300	10	Y	A/Lgl	512K	250	18.9x12.6x19.4	25K	S/P	$3,990
LZR 1260	Y	12	300x300	35	Y	A/Lgl	4M	250	19.5 x 5.5 x 19.8	25K	S/P	$7,995
LZR 2620		26	300x300	14		A/Lgl/B		750	26.7x16.1x23.4	100K	S/P	$14,550
LZR 2630		26	300x300	10		A/Lgl/B		750	26.7x16.1x23.4	100K	S/P	$15,600
LZR 2655		26	300x300	6	Y	A/Lgl/B	3.5M	750	26.7x16.1x23.4	100K	S/P	$20,800
LZR 2655/LJ		26	300x300	34	Y	A/Lgl/B	3.5M	750	26.7x16.1x23.4	100K	S/P	$14,995
LZR 2655/LN		26	300x300	17	Y	A/Lgl/B	3.5M	750	26.7x16.1x23.4	100K	S/P	$14,995
LZR 2665	Y	26	300x300	13	Y	A/Lgl/B	2.5M	750	26.7x16.1x23.4	100K	S/P	$18,700
DeRex Inc. 305 753-0840												
DRL 10	Y	10	300x300	79	Y	A/Lgl	512K	250	33x11x18	10K	S/P	$2,895
DRL 10+		10	300x300	79	Y	A/Lgl	1.5M	500	18.5x18.3x14.3	10K	S/P	$4,695
DRL 20		18	300x300	79	Y	A/Lgl	1.5M	500	18.5x18.3x14.3	20K	S/P	$8,395
Facit Inc. 603 647-2700												
P6060		6	300x300	6	Y	A/Lgl	1M	150	8.5x16.25x16	3K	S/P	$1,995
Genicom Corporation 800 443-6426												
6140		15	400x400	15	22	A/Lgl	1M	200	18x19x9	5K	S/P	$4,295
6142		20	400x400	15	22	A/Lgl	1M	200	18x19x9	5K	S/P	$4,995
InterScience Computer Corp. 818 707-2000												
LR 1200	Y	12	300x300	12		A/Lgl		250	18.9x12.6x19.4	25K	S/P	
LR 2600	Y	26	300x300	6	Y	A/Lgl/B		250	26.7x16.1x23.4	80K	S/P	
Kentek Information Systems 201 825-8500												
K-2		12	240x240	30	Y	A/A4	1024	700	26.6x14.6x20	24K	S/P	$8,235
K-2+		15	300x300	36	Y	A/A4	2048	700	26.6x14.6x20	40K	S/P	$8,970
K-3	Y	24	300x300	36	Y	A/A4	2048	700	26.6x14.6x20	80K	S/P	
K-4	Y	24	300x300	36	Y	A/A4	2048	700	26.6x14.6x20	80K	S/P	
MacDonald Dettwiler 604 273-7730												
Fire 240			2500				16K	125				$250,000
Mitek Systems Inc. 619 587-9157												
Tempest 120T		8	300x300		16	A/Lgl	512K	200	24.5x18x10	5K	S/P	$5,495
Tempest 125T		8	300x300		16	A/Lgl	512K	200	24.5x18x10.5	5K	S/P	$6,595
Tempest 130T	Y	8	300x300	35		A/Lgl	2M	200	18x11.1x25.0		S/P	$8,995
NBS Southern Inc. 800 327-5602												
NBS 3840D		40	300x300	114		A/Lgl/B	6M	250	43x39.9x25.6	200K	S/P	$54,950
Nissho Electronics Corporation 714 261-8811												
LN-2248	Y	22	480x480	35	Y	A/Lgl/B	8M	2000	54x38x26	60K	S/P	$24,000
Office Automaton Systems Inc. 619 452-9400												
LaserPro 1510		15	300x300	33	Y	Lgl/A4	768K	250	21.5x16.5x26	25K	S/P	$6,350
LaserPro 2200		22	300x300	35	Y	A/Ldgr/B	2M	250	16.2x12.2x15.5	60K	S/P	$15,995

LASER PRINTERS

Model	Postscript	Printing Speed (ppm)	Resolution (dpi)	Resident Fonts	Downloadable Fonts	Paper Size	RAM (Bytes)	Paper Input Capacity	Dimensions (wxhxd)	Monthly Duty Cycle (pages)	Serial/Parallel	Price
Office Automaton Systems Inc. 619 452-9400												
LaserPro 5308		8	300x300	27	Y	Lgl/A4/B5	1.5M	250	16.2x12.2x15.5	5K	S/P	$4,495
LaserPro 5315		15	300x300	33	Y	Lgl/A4	1.2M	250	26x21.5x16.5	25K	S/P	$7,495
LaserPro 810		8	300x300	33	Y	A4	768K	250	24.25x13x17	10K	S/P	$3,795
LaserPro Gold Expres		8	300x300	33	Y	Lgl/A4/B5	2.5M	250	16.2x12.2x15.5	5K	S/P	$3,495
LaserPro Series II		8	300x300	27	Y	Lgl/A4/B5	512K	250	16.2x12.2x15.5	5K	S/P	$2,350
LaserPro Silver Expr		8	300x300	33	Y	Lgl/A4/B5	1M	250	16.2x12.2x15.5	5K	S/P	$2,795
Output Technology Corporation 509 926-3855												
LM6000/2		16	300x300			11"	2 M				S/P	$7,995
Printdata 203 847-0064												
Fujitsu 3054			240x240	4	46		512K	3000	56x47x31	400K	P	$59,500
Printer Systems Corporation 301 258-5060												
Intelliprint 106		6	300x300	Y	Y	A/Lgl/B	6M	150/250	12.6x16x16.5	3K	S/P	
Intelliprint 218	Y	18	300x300	Y	Y	A/Lgl/A4	3M	250	21x17x22	50K	S/P	$14,395
Printronix Inc. 714 863-1900												
L1012		12	300x300		Y	A/Lgl/A4	512K	250	12.5x18.9x17.3	25K	S/P	$3,495
L1212	Y	12	300x300	35	Y	A/Lgl/A4	512K	250	12.5x18.9x17.3	25K	S/P	$6,995
L2624		24	300x300	72	Y	A/Lgl		1200	26x14.5x18.5		S	$15,500
QMS Inc. 205 633-4300												
2308/S Imageserver XP	Y	8	300x300	254	Y	A/Lgl/A4	6M	200	18.7x16.1x25	5K	S	$14,450
2308/S-3 Imageserver XP		8	300x300	8	Y	A/Lgl/A4	3M	200	18.7x16.1x25	5K	S	$9,750
3308/S Imageserver XP		8	300x300	8	Y	A/Lgl/A4	3M	400	18.7x19.3x25	3.3K	S/P	$10,950
3308/S Imageserver XP	Y	8	300x300	254	Y	A/Lgl/A4	6M	400	18.7x19.3x25	10K	S	$15,450
3320 Imageserver XP	Y	20	300x300	254	Y	A/B/L	6M	500	53.7x20.1x23.6	70K	S	$18,995
5320 Imageserver XP	Y	20	300x300	254	Y	A/B/L	6M	2500	62.8x55.1x23.6	70K	S	$22,995
6320 Imageserves XP	Y	20	300x300	254	Y	A/B/L	6M	2500	62.8x55.1x23.6	70K	S	$25,995
7320 Imageserver XP	Y	20	300x300	254	Y	A/B/Lgl/A4	6M	2500	57.7x45.3x23.6	3.3K	S/P	$328,995
QMS-PS 1500	Y	15	300x300	35	Y	A/Lgl/A4	4M	500	18.7x19.5x18.1	25K	S/P	$7,995
QMS-PS 2210	Y	22	300x300	35	Y	A/B/L/A4/A3	4M	350	20x18x20.5	20K	S/P	$11,995
QMS-PS 2220	Y	22	300x300	35	Y	A/B/Lgl/A4	4M	600	20x18x20.5	20K	S/P	$13,995
QMS-PS 810	Y	8	300x300	35	Y	A/Lgl/A4	2M	200	17.9x9.1x25.0	5K	S/P	$4,995
QMS-PS 810 TURBO	Y	8	300x300	35	Y	A.LGl/A4	2M	200	17.9x9.1x25.0	5K	S/P	$5,995
QMS-PS 820	Y	8	300x300	35	Y	A/Lgl/A4	2M	400	17.9x12.3x26.8	10K	S/P	$5,995
QMS-PS 820 Turbo	Y	8	300x300	35	Y	A/Lgl/A4	2M	400	117.9x12.3x26.8	10K	S/P	$6,995
Ricoh Corporation 714 863-0550												
LP 4150		15	300x300						16.5x21.5x18.5			$5,000+
PC Laser 6000		6	300x300						7.9x16.1x16.5			$2,395
Rosetta Technologies Corporation 800 937-4224												
RT4115 Page Printer		15	300x300	70		A/L	3M	800	26.6x14.2x18.3	40K		$7,995
RT4224 Page Printer		24	300x300	70		A/L	4M	800	26.6x14.2x18.3	80K		$13,995
RT4324 Duplex Page Printer		24	300x300	70/140			6M	800	27x18x18.5	80K		$19,995
Summus Computer Systems 713 492-6611												
SUM-8 II		8	300x300		Y	A/B	512K	200	12x12x8	5K	S	$1,895
Talaris Systems Inc. 619 587-0787												
1590 Printstation		15	300x300	45	Y	A	3M	500	21.25x16.33x18.5	25K	S/P	$8,290
1590-T Prinstation		15	300x300	45	Y	A	5.5M	500	21.25x16.33x18.5	25K	S/P	$9,690
2492-B Printstation		24	300x300	45	Y	A/B	5.5M	2000	36 x 41 x 28	35K	S/P	$21,990
T811/2		8	300x300	15	Y	A/Lgl	1M	200	18x9.1x25	5K	S/P	$3,290

Now Nothing Is Unprintable.

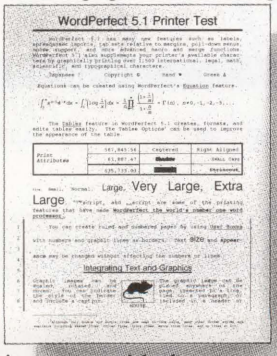
No Unprintable Language

Introducing the Talaris 2090 Printstation, the first true 20ppm laser printer that knows no language barrier.

LN03 Plus®, HP LaserJet II®, Tektronix®, Diablo®, EXCL, HP-GL®, PostScript® - the Talaris 2090 offers emulations for virtually every text or graphics printer language in popular use.

No Unprintable Sizes

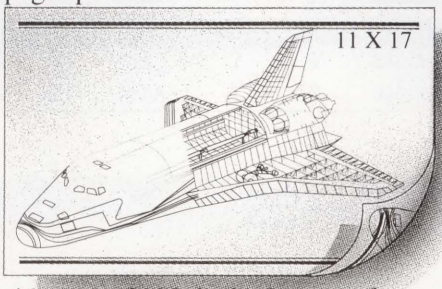
The 2090 can input and output 1,500 sheets of executive, letter, legal, or B-size paper. And, keep your seat,



it comes with three trays, so you can have three different sizes of paper available for printing at one time. Without leaving your desk.

No Unprintable Sides

The Talaris 2090 prints most text at the full rated speed of the engine: 20 pages per minute. But there's another



side to the 2090 that's almost as fast: 16 sides per minute. Yes, in duplex mode the printstation will print 8 letter-size pages, front and back, in the time it takes some similarly rated printers to print one side.

No Unprintable I/O Ports

With this kind of flexibility, speed, and paper handling, everyone in the building will want to use the 2090. But that's OK, because Talaris Printstations have Intelligent Connectivity™. You can connect the 2090 simultaneously by the serial and parallel ports and directly to Ethernet. So everyone has a chance to use it, no matter where they're coming from.

No #*!@?#*!

From your users, that is. With a printer designed to be shared among a diversity of users, you won't have to listen to a variety of complaints. So, call your sweet-talking Talaris representative today. We'll show you a printer that's fit to print.



TALARIS SYSTEMS INC.®

(619) 587-0787
P.O. Box 261580
San Diego, CA 92196

The trademarks and registered trademarks are proprietary to their respective manufacturers.

LASER PRINTERS

Model	Postscript	Printing Speed (ppm)	Resolution (dpi)	Resident Fonts	Downloadable Fonts	Paper Size	RAM (Bytes)	Paper Input Capacity	Dimensions (wxhxd)	Monthly Duty Cycle (pages)	Serial/Parallel	Price
Texas Instruments Inc. 817 774-6252												
microLaser		6	300	14		A	.5M	250	13.4x10.5x14.2	3K	P	$1,799
MicroLaser PS17	Y	6	300	17		A	1.5	250	13.4x10.5x14.2	3K	P	$2,499
microLaser PS35	Y	6	300	35		A	1.5M	250	13.4x10.5x14.2	3K	P	$2,999
The Laser Connection 800 523-2696												
PS Jet+	Y		300x300	35			2M				S/P	$2,250
Varityper 201 887-8000												
Series 4000	Y	26	2400x2400	25	Y	72 pica	16M		29x56x48		S/P	$49,995
VT-600Plus	Y	10	600x600	13	Y	A/Lgl	6M	250	23x18.5x21.1	10K	S/P	$16,995
Varityper 201 887-8000												
VT-600W	Y	10	600x600	35	Y	A/Lgl/B	6M	250	23x18.5x21.1	10K	S/P	$22,995
Xerox Corporation 213 333-8671												
4045 Laser CP-160	Y	10	300x300	35	Y	A4	4M	250	27.5x10.5x21.5	25K	S/P	$9,995
4045 Laser CP-150		10	300x300	2	Y	A/Lgl	1M	250	27.5x10.5x21.5	25K	S/P	$4,995

MAGNETOGRAPHY PRINTERS

Model	Color	Resolution (Bits)	Printing Speed (ppm)	Paper Type	Dimensions (wxhxd)	Graphics Support	LEDs	Maximum Paper Width	Serial/Parallel	Warranty	Price
Bull Printing Systems Inc. 617 431-3280											
MP 5050		240	50	C	82x45x25		Y	8.5"		90 d	$99,750
MP 6090.2		240	90	C	64x45x30		Y	15.75"	DP/P		$116,500

MISCELLANEOUS PRINTERS

Model	Impact	Non-Impact	Resolution (dpi)	Printing Speed (ppm)	Paper Type	Printing Technology	Dimensions (wxhxd)	Paper Size	Warranty	Price
Constantine Engineering Labs 201 327-1123										
5000A						35mm SlideMaker				
5000B						35mm SlideMaker				
8000A						35mm SlideMaker				
8000B						35mm SlideMaker				
Eastman Kodak 800 255-3434										
1392		Y	300x300	92 imp	S	Electrophotograph	31x58x41	A/Lgl	90 d	$200,000
MacDonald Dettwiler 604 273-7730										
ColorFire 240		Y	1250		C	deum			90 d	$200,000
Tektronix Inc. 206 253-5019										
4693DX		Y	300x300	1	S/T	Thermal-wax	21.8x12.6x21.2	A/Lgl	90 d	$8,995
4693DXS		Y	300x300	1	S/T	Thermal-wax	21.8x12.6x21.2	A/Lgl	90 d	$14,990

PEN PLOTTERS

Model	# of Pens	Pen Velocity (ips)	Graphics Language	Paper Type	LEDs	Paper Size	Buffer Size (Bytes)	Controller Included	Dimensions (wxhxd)	Serial/Parallel	Price
Bruning Computer Graphics 415 372-7568											
Zeta 5400	4	35	GML/HP-GL	C	Y	up to 52"	18K	Y	73x47x27	S	$44,900+
Zeta 912	8	30	GML/HP-GL	C	Y	A/B	18K	Y	24x10x12	S	$3,950
Zeta 924PS	8	30	GML/HP-GL	C/S	Y	A/D	18K	Y	36x44x23	S	$6,700
Zeta 936PS	8	30	GML/HP-GL	C	Y	A/E	18K	Y	48x44x23	S	$8,700
Zeta 987	8	30	GML/HP-GL	C	Y	A/B	18K	Y	24x10x12	S	$4,950
Zetadraf 900	8	45	GML/HP-GL	S	Y	A/E	552K	Y	60x47x27	S	$7,950
CalComp Inc. 603 885-8028											
1044GT	8	24	PCI	S/R	Y	A-E/A4-A0	2K		54x47x22	S	$11,900
1076C	4	50	PCI	S	Y				57.3x60.5x29.5	S	$17,995
1077	4	50	PCI	S/R	Y				57.3x60.5x29.5	S	$26,995
Artisan Plus 1026	8	30	PCI/CPGL	C/S	Y	A/E	100K		48.8x49.7x31		$8,495
CalComp Inc. 603 885-8028 (continued)											
Artisan Plus1023	8	30	PCI/CPGL	S	Y	A-D	100K		37.5x42.5x21	S	$4,895
Artisan Plus1025	8	30	PCI/CPGL	S	Y	A-D	100K		48.8x49.5x30	S	$6,395
Houston Instrument 512 835-1916											
DMP-61DL	8	45	HP-GL	CS/F	Y	A-D	48K		41x42x24	S	$4,895
DMP-62DL	8	40	HP-GL	S/F	Y	A-E	48K		52x51x27	S	$6,300
Ioline Corporation 206 821-2140											
LP3500	1	14	HP-GL/DM/PL	C/R	Y	1.5x37-81	14K		48.95x8.75x9.7	S	$2,995
LP3700	1	14	HP-GL/DM/PL	C/R	Y	1.5x37-81	14K		48.95x8.75x9.7	S	$3,995
LP3700-MP	20	14	HP-GL/DM/PL	C/R	Y	1.5x37-81	14K		48.95x8.75x9.7	S	$3,995
LP4000	1	28	HP-GL/DM/PL	C/R	Y	1.5x37-81	4K		48.95x8.75x9.7	S	$4,695
LP4000-MP	20	28	HP-GL/DM/PL	C/R	Y	1.5x37-81	4K		48.95x8.75x9.7	S	$4,995
LP7200	1	28	DM/PL	C/R	Y	72"			8.75"x36"x90"	S	$14,995
Numonics Corporation 215 362-2766											
5460	1	7.7	HP-GL		Y	C-D	60K			S/P	$2,495
5860	8	7.7	HP-GL	C		C/D	60K			S/P	$3,195
7191	8	35	HP-GL			A/E	500K		9.4x49.2x47.2	S	$5,495
OCE Graphics USA Inc. 800 545-5445											
G1824-C	8	44	HP-GL/VDF	S		24.8 x 39.3	100K	Y	48.4x40.8x23.6	S	$4,790
G1825-C	8	44	HP-GL	S		36.6x51.1	100K	Y		S	$5,990
G1834-CR	8	55	HP-GL				512K	Y		S	$6,290
G1835-C	8	55	HP-GL	S		37x63.5	512K	Y		S	$6,990
G1835-CR	8	55	HP-GL			37x63.5	512K	Y		S	$7,990
G1835-SR-AC	8	55	HP-GL			37x63.5	512K	Y		S	$9,490
G1845-AC	8	55	HP-GL			37x63.5	512K	Y		S	$9,490
Roland DG 714 975-0560											
DPX-2500		8				A/C	1M		37.25x7x29		$5,995
DPX-3500	8					A/D	1M		49.25x7x35		$6,495
DX4-1100		8		S		A/B	1K		24.4x16.5x4.4		$1,095
DXY-1200	8			S		A/B	1K		24.4x16.5x4.4		$1,495
DXY-1300	8			S		A/B	1M		24.4x16.5x4.4		$1,995
GRX-400AR	8			S		A/E	1M		53x21x48		$5,995
GRX300AR	8			S		A/D	1M		40.25x21x45.5		$4,995
Tektronix Inc. 206 253-5019											
HC100	4	9		S	Y	A			16.5x3.2x10.8	P	

THERMAL TRANSFER PRINTERS

Model	Postscript	Graphics Support	Resolution (dpi)	Color Palette	Buffer Size (Bytes)	Dimensions (wxhxd)	Resident Fonts	Downloadable Fonts	Paper Size	Serial/Parallel	Warranty	Price
CalComp Inc. 603 885-8028												
903		Y	1280x1024	7		24.8x8.4x22.5			A/B	S/P		$8,995
ColorMaster		Y	200x203.2	7	512K	17x12x20			A	S/P		$4,995
PlotMaster		Y	200x203.2	7	1.5M	17x12x20			A	S/P		$5,595
Fargo Electronics Inc. 612 941-9470												
Prodigy		Y	203x203			10x10x17				S		$2,495
Lasergraphics Inc. 714 660 9497												
Rascol III/CPS		Y	203x200	1m		20x12x17	8		A/Lgl	S/P	1 y	$9,950
OCE Graphics USA Inc. 800 545-5445												
5232-Color PS	Y	Y	300x300	2048	8M	24.3"x13.4"x20.3"	35		A/B	S/P	1 y	$15,990
Oce Color G5241-PS	Y	Y	300x300	17576	5M	16.1x9.9x17.5	35		A/A+	S/P	1 y	$11,990

THERMAL TRANSFER PRINTERS

Model	Postscript	Graphics Support	Resolution (dpi)	Color Palette	Buffer Size (Bytes)	Dimensions (wxhxd)	Resident Fonts	Downloadable Fonts	Paper Size	Serial/Parallel	Warranty	Price
QMS Inc. 205 633-4300												
QMS Colorgrafix 100		Y	300x300	16m	8 M	20.9x23.6x22.2	48	Y	A/A4/B	P	90 d	$13,995
QMS ColorScript 100-10	Y	Y	300x300	16.7m	4M RAM	16.93x11.34x24.84	35	Y	A/A4/L	S/P	1 y	$9,995
QMS ColorScript 100-20	Y	Y	300x300	4	N/A	20.9x14.2x19.7	35	Y	A/A4/B	P	90 d	$15,995
QMS ColorScript 100-30	Y	Y	300x300	16.7m+	8M RAM	20.9x19x22.2	Y	Y	A/A4/B/A3	S/P	90 d	$15,995
QMS Writer PM10	Y	Y	300x300	16m	6 MB RAM	16.93x11.34x24.84	51	Y	A/A4/L		90 d	$9,995
Roland DG 714 975-0560												
LTX 420		Y	200		8M	46.4x19.4x37.9			D/E		1 y	$12,995
LTX120		Y	200		1M				B		1 y	$2,995
LTX320		Y	200		4M	43.9x19.4x37.9			C/D		1 y	$9,995
Seiko Instruments 408 922-5950												
CH-5504		Y	300x300	16m*	3M	14x17x8.1			A/A4	P		
CH-5514		Y	300x300	16m*	7M	17x17x8.1			B/A/A3	P		
TOYO Spectrum Corporation 408 739-7913												
TPG-4300		Y	300x300	16M	2M	21.5x21.75x9.75			A/B		1 y	$12,500

BAND PRINTERS

DATA SYSTEMS HARDWARE

VX035L
1150 lpm Printing Speed • 132 Standard Characters
The DSH VX036 line printer offers 1150 lpm printing capability that is compatible with the LP printer family. It may be connected to any DEC system.

VX036
1500 lpm Printing Speed • 132 Standard Characters • Controller Included
The DSH VX036 line printer offers 1500 lpm printing capability that is compatible with the "2P" printer family. It may be connected to any DEC system.

VX037
2000 lpm Printing Speed • 132 Standard Characters
The DSH VX037 line printer offers heavy duty printing capability that is compatible with the LP printer family. It may be connected to any DEC system.

VX157
Graphics Support • 600 lpm Printing Speed • 132 Standard Characters
The DSH VX157 offers LG and LXY compatibility. Graphics and bar codes are additional capabilities of this versatile printer.

VX159
Graphics Support • 900 lpm Printing Speed • 132 Standard Characters
The DSH VX159 offers LG and LXY compatibility. Graphics and bar codes are additional capabilities of this versatile printer.

DATAPRODUCTS CORPORATION

BP 1500
1500 lpm Printing Speed • 48 Standard Characters • Controller Included

BP 2000
2000 lpm Printing Speed • 48 Standard Characters • Controller Included
BP models feature a towel ribbon system with a swing out band gate for ease of paper handling. Designed for extremely high-duty cycle operations.

LB 1515
1210 lpm Printing Speed • 64 Standard Characters • Controller Included
Produces 1500 lpm with 48 character set. Features a heavy duty cycle, four-tractor paper-handling system, reel-to-reel ribbons and an acoustic cabinet.

LB 300
325 lpm Printing Speed • 64 Standard Characters • Controller Included

LB 315
325 lpm Printing Speed • 64 Standard Characters • Controller Included
Equipped with selectable triple interface. Feature four-tractor paper-handling system, reel-to-reel long-life ribbons, universal power supply and over 150 character sets.

LB 615
650 lpm Printing Speed • 64 Standard Characters • Controller Included
Offers the same features as the LB 315 with the added advantages of dual print speed modes and twice the print throughput. Acoustic cabinet standard.

DEREX INC.

9000-IV
1700 lpm Printing Speed • 48-96 Standard Characters • Controller Included
LP29 alternative that features power forms stacker, towel ribbon, swing out gate, built-in vacuum, and rear and front control panels, and prints up to six-part forms.

B1000
1000 lpm Printing Speed • 48-96 Standard Characters • Controller Included
Field proven band printer that features a quietized cabinet, cassette ribbon, and a built-in paper puller.

B1500
1500 lpm Printing Speed • 48-96 Standard Characters • Controller Included
Field proven, high-performance band printer that features LP27 compatibility, long life towel ribbon, quietized cabinet, dual tractors, and a paper puller.

B2000
2000 lpm Printing Speed • 48-96 Standard Characters • Controller Included
The B2000 is an LP29-compatible heavy-duty band printer.

B300
300 lpm Printing Speed • 48-96 Standard Characters • Controller Included
The B300 is a field proven band printer that features LP25 compatibility.

LW1000
1200 lpm Printing Speed • 48-96 Standard Characters • Controller Included
High-performance, field proven band printer that features a quietized cabinet, long-life ribbon, built-in paper puller, and front and rear control panels.

LW400
400 lpm Printing Speed • 48-96 Standard Characters • Controller Included
Features excellent print quality, field proven band technology, 6/8 LPI, form length select switch, full operator panel, and cassette ribbon.

LW800
800 lpm Printing Speed • 48-96 Standard Characters • Controller Included
Field proven band printer that features 62dBA, 6/8 LPI, 10 cpi, FLSS, a cassette ribbon, and excellent print quality.

GENICOM CORPORATION

4285
2000 lpm Printing Speed • 132 Standard Characters
The 4285 features integral power stacker, sound pressure level of <60dB, 2.5 million line ribbon life, rear control panel, and universal power supply.

E Series Model III
1600 lpm Printing Speed • 48 Standard Characters
The E Series Model III features an acoustic level of <65dB and a two million line ribbon life, and is available with an optional power stacker.

Linewriter 1255
1200 lpm Printing Speed • 64 Standard Characters
Features a sound pressure level of <55dB, a ribbon cassette life of 600K lines, and standard casters. No preventive maintenance required.

Linewriter 400
400 lpm Printing Speed • 132 Standard Characters

Linewriter 800
720 lpm Printing Speed * 132 Standard Characters
Features a ribbon cassette life of 600K lines and a sound pressure level of <62dB. No preventive maintenance required.

Linewriter 455
400 lpm Printing Speed • 132 Standard Characters

Linewriter 855
720 lpm Printing Speed * 132 Standard Characters
Features a ribbon cassette life of 600K lines and a sound pressure level of <55dB. No preventive maintenance required.

INTERSCIENCE COMPUTER CORP.

ICS 1015
1100 lpm Printing Speed • 64-96 Standard Characters • Controller Included
55db cabinet, high duty cycle, triple interface standard.

ICS 1500
1250 lpm Printing Speed • 64-96 Standard Characters • Controller Included

ICS 2000
1680 lpm Printing Speed • 64-96 Standard Characters • Controller Included
The 1500 and 2000 printers feature a switch-selectable 80- or 132-column output providing quality print and reliability within high-volume applications.

ICS 300
300 lpm Printing Speed • 64/96 Standard Characters • Controller Included
The 300 combines the high throughput of a line printer and the flexibility of a dot matrix, and is able to generate raster graphics, and popular bar codes.

ICS 315
300 lpm Printing Speed • 64/96 Standard Characters • Controller Included

ICS 600
600 lpm Printing Speed • 64/96 Standard Characters • Controller Included

ICS 615
600 lpm Printing Speed • 64-96 Standard Characters • Controller Included
Same as above. 55 db cabinet, triple interface standard.

LM1200
Graphics Support • 1200 lpm Printing Speed • 64-96 Standard Characters • Controller Included
Very heavy duty, bar code, QMS graphics.

LM900
Graphics Support • 900 lpm Printing Speed • 64-96 Standard Characters • Controller Included
Heavy-duty line printer, QMS graphics, bar code.

PRINTDATAFUJITSU/ NCR/6470

High MTBF 4000 to 6000 hours. Office quiet (55 dba); excellent print quality power paper stackers; low cost of ownership. Models 3041, 3042, 3043 also available.

DOT MATRIX PRINTERS

AXONIX CORPORATION

LiteWrite
240x240 Bits Resolution • 80/132 Standard Characters • 25 cps NLQ Printing Speed • 1 y Warranty
Four-pound portable printer that features a multicopy function, character styles such as italics and underlining, and sub- and superscript capabilities.

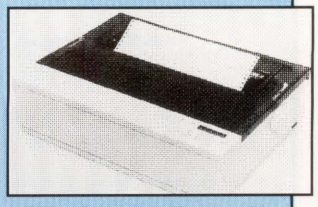
CIE AMERICA INC.

CI-2500
180x120 Bits Resolution • 136 Standard Characters • 50 lpm NLQ Printing Speed • 1 y Warranty
The CI-2500 is a DEC-compatible printer with a wide 15.5-inch, 136-column carriage. It provides full LA75/LA50 and LA210 emulations.

CI-400
200x288 Bits Resolution • 136 Standard Characters • 85 lpm NLQ Printing Speed • 1 y Warranty
The CI-400 multimode dot matrix line printer offers speeds of 400 lpm, and provides letter quality, data processing or memo-quality print modes.

CIE AMERICA INC.

CIE America, inc.



■ CIE America, Inc. provides a complete line of high-speed printer products for demanding applications in the DEC, IBM midrange, personal computer and networked systems environments. From the 540 cps CI-5000 serial dot matrix printer to the CI-500 and CI-1000 shuttle dot matrix line printers with print speeds of 540 and 940 lpm. The CIE America printer line meets the high-volume needs of multi-user and multi-task jobs. CIE America's printers emulate DEC LXY, LA or LG series printers, and have zero inch tear, multi-user set-ups through Speedset with a menu driven control panel. All printers also emulate IBM Proprinter II/XL and Printronix "P" series printers.

CI-5000
330x216 Bits Resolution • 136 Standard Characters • 110 cps NLQ Printing Speed • 1 y Warranty
The ProWriter CI-5000 is a rugged high-speed 18-wire printer. Has four high-speed, high-quality print modes. Bottom and rear paper loading available.

CI-4010
240x144 Bits Resolution • 87.5 cps NLQ Printing Speed • 1 y Warranty
The Model 10 also features 87.5 cps of letter-quality output. Options include a tear bar, sheet feeder, RS422 interface, and a paper basket.

CI-4020
240x144 Bits Resolution • 87.5 cps NLQ Printing Speed • 1 y Warranty

CI-4030
206x144 Bits Resolution • 87.5 cps NLQ Printing Speed • 1 y Warranty
The Model 30 features 87.5 cps of letter quality output. Options include a tear bar, sheet feeder, and paper basket. The 1:1 aspect ratio is 144x144.

CI-800
200x288 Bits Resolution • 136 Standard Characters • 170 lpm NLQ Printing Speed • 1 y Warranty
The CI-800 is available with Graphics Adapter Processor boards that simplify the creation of bar codes, forms, labels; cabinets, quietized covers, paper baskets, maintenance agreements.

ProWriter C815
162 cps NLQ Printing Speed • 1 y Warranty
Features a 136-column wide output capacity, a diamond-shaped printhead with four rows of six pins. Emulates Epson LQ-1500, IBM Proprinter XL, and others.

CTSI International Inc.

1000
72x72 Bits Resolution • 136 Standard Characters • 100 cps cps NLQ Printing Speed • 90 d Warranty
The 1000 printer features servo head positioning, multiple character sets, and downloadable fonts.

1100
144x144 Bits Resolution • 136 Standard Characters • 40 cps NLQ Printing Speed • 90 d Warranty
Same as above. The 1100 printer also features high-density graphic capabilities.

1200
144x144 Bits Resolution • 136 Standard Characters • 40 cps cps NLQ Printing Speed • 90 d Warranty
Same as above. The 1200 printer also prints up to eight colors.

1400
144x144 Bits Resolution • 136 Standard Characters • 80 cps cps NLQ Printing Speed • 90 d Warranty
The 1400 printer is also available with a bar code option as well as buffer sizes up to 32KB.

800
144x144 Bits Resolution • 136 Standard Characters • 40 cps NLQ Printing Speed • 90 d Warranty
The 800 printer is a demand document printer with zero-inch tear-off paper support, capable of printing six-part carbon or NCR forms.

8400
144x144 Bits Resolution • 136 Standard Characters • 80 cps NLQ Printing Speed • 90 d Warranty
The 8400 printer is a demand document printer with zero-inch tear-off paper support, capable of printing six-part carbon or NCR forms.

DataProducts Corporation

LM1200
140x144 Bits Resolution • 170 Standard Characters • 320 lpm NLQ Printing Speed • 1 y Warranty

LM300
140x144 Bits Resolution • 138 Standard Characters • 150 cps NLQ Printing Speed • 1 y Warranty
The LM Series combines high throughput of a line printer and the flexibility of a dot matrix and can generate raster graphics and bar codes.

LM315
140x144 Bits Resolution • 138 Standard Characters • 150 cps NLQ Printing Speed • 1 y Warranty
The LM315 features a 55dBA noise level while operating and offers pedestal rather than desktop configurations.

LM600
140x144 Bits Resolution • 138 Standard Characters • 300 cps NLQ Printing Speed • 1 y Warranty
The LM600 features a 65dBA noise level while operating and offers pedestal rather than desktop configurations. It also features an 8600-hour MTBF.

LM615
140x144 Bits Resolution • 138 Standard Characters • 300 cps NLQ Printing Speed • 1 y Warranty
The LM615 features a 55dBA noise level while operating and offers pedestal rather than desktop configurations.

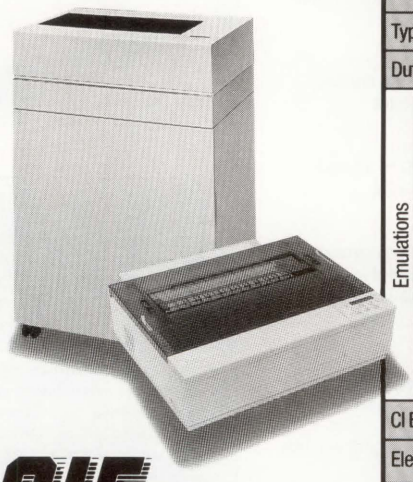
Datasouth Computer Corporation

DS400
132 Standard Characters • 1 y Warranty
Datasouth's DS400 offers LA120 emulation, barcode capability and 100 percent duty cycle. The straight paper path is ideal for multipart forms printing.

5 Great Ways To Say "Good Buy."

1-800-877-1421
CIE America, Inc.
Simply Better.™

#6 in a series



CIE AMERICA PRINTERS		CI-5000	CI-5000 CX	CI-5000 TX	CI-500	CI-1000
Speed		540 cps 200 lpm	540 cps 200 lpm	540 cps 200 lpm	540 lpm	940 lpm
Type		18 wire	18 wire	18 wire	shuttle matrix	shuttle matrix
Duty Cycle pg/mo		20,000	20,000	20,000	60,000	104,000
Emulations	DEC	•			•	•
	IBM ProPrinter	•			•	•
	Epson FX	•				
	CI-400/800	•			•	•
	Printronix	•			•	•
	QMS Magnum	•	•	•	•	•
	IBM 52XX, 4214			•	•	•
	IBM 3287, 4224		•		•	•
CI Bar Code		•	•	•	•	•
Electronic Forms		•	•	•	•	•

CIE America, inc.

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(800) 877-1421 Ext. 4494/FAX (714) 757-4488 • 2515 McCabe Way, P.O. Box 25137, Irvine, CA 92714

DeRex Inc.

3410 XDQ
144x144 Bits Resolution • 100 cps NLQ Printing Speed • 90 d Warranty
DEC LA210 compatible. Standard features include quietized cabinet, long-life ribbon cassette, zero inch tear-off, and rear and bottom feed. Optional bar codes and sheet feeders.

3800
400x144 Bits Resolution • 125 cps NLQ Printing Speed • 90 d Warranty
High-performance printer with exceptional applications flexibility, including three paper paths, zero-inch forms tear-off, auto paper park, and forms set-up memory.

Facit Inc.

B1200
60x240 Bits Resolution • 80 Standard Characters • 28 cps NLQ Printing Speed • 1 y Warranty
Features IBM command mode, push tractors, and friction feed. Ideal as screen printers for video terminals. Compact design; less than 50dBA noise level.

B3100
60x240 Bits Resolution • 80 Standard Characters • 60 cps NLQ Printing Speed • 1 y Warranty

B3150
136 Standard Characters • 60 cps NLQ Printing Speed • 1 y Warranty
The B3100 and 3150 feature four paper paths, push/pull tractors, and a rotary font selection switch. Options include DEC LA75, LA50, LA210 emulations and single or dual cut sheet feeders.

B3450
60x360 Bits Resolution • 136 Standard Characters • 80 cps NLQ Printing Speed • 1 y Warranty
Features four paper paths, push/pull tractors, and a rotary font selection switch.

Genicom Corporation

3320Q
144x144 Bits Resolution • 136 Standard Characters • 180 cps NLQ Printing Speed • 1 y Warranty
Heavy-duty, office quiet printer featuring less than 55dBA. Features rear paper feed for demand document applications and prints the original plus five copies.

3410 XLQ
144x144 Bits Resolution • 136 Standard Characters • 120 cps NLQ Printing Speed • 1 y Warranty
Series also includes 3410 XLS (standard model), $2010; the 3410 XCQ (color model), $2600; 3410 XDQ (DEC compatible), $2275; and 3410 XBQ (bar code model), $2280.

Series 1020
240x144 Bits Resolution • 136 Standard Characters • 100 cps NLQ Printing Speed • 1 y Warranty
This series includes the 1020C (color model) at $1175 and the 1020T (Tempest model) at $3125.

Series 1025
240x144 Bits Resolution • 80 Standard Characters • 100 cps NLQ Printing Speed • 1 y Warranty
Prints on zero-inch tear-off paper and features 80- and 136-column capabilities and three-font cartridges. Options include bar code and label printing capabilities as well as expansion buffer sizes of 8-64KB.

Series 3000
288x144 Bits Resolution • 132 Standard Characters • 180 cps NLQ Printing Speed • 1 y Warranty
The Series 3000 is available in six models from 240-400 cps print speed and 60-180 cps near letter quality output. Bar code option available.

Series 3000Q
288x144 Bits Resolution • 132 Standard Characters • 180 cps NLQ Printing Speed • 1 y Warranty
Same as 3000; however, this is a quietized model.

Series 4410
140x144 Bits Resolution • 136 Standard Characters • 82 lpm NLQ Printing Speed • 1 y Warranty
The 4410 is also available with a bar code option.

Series 4440
140x144 Bits Resolution • 136 Standard Characters • 165 lpm NLQ Printing Speed • 1 y Warranty
Optional OCR-A and OCR-B bar codes are available.

Series 4470
280x144 Bits Resolution • 136 Standard Characters • 250 lpm NLQ Printing Speed • 1 y Warranty
Features a ribbon life of 80 million characters, a 65dB sound pressure level, and Printronix P300/P600 compatibility. Options include a 55dBA acoustic kit as well as an 8K buffer.

Series 4490
280x144 Bits Resolution • 136 Standard Characters • 300 lpm NLQ Printing Speed • 1 y Warranty
Features a standard cabinet and a lifetime warranty on the shuttle mechanism. Available with OCR-A and OCR-B bar code options.

Ideal Technologies

820KSR
9x7 Bits Resolution • ASCII *128 Standard Characters • 90 d Warranty
The Model 820KSR is a multicopy, keyboard send/receive data terminal. Featuring DEC compatibility, it is an ideal replacement product for the DEC LA120.

885D Demand Document Print
7x9 Bits Resolution • ASCII * 96 Standard Characters • 75 cps NLQ Printing Speed • 90 D Warranty
The Model 885D provides advanced forms handling for the demand document printing environment. Features zero forms waste, front paper path, small footprint and DEC compatibility.

8920 Forms Printer
7x9 Bits Resolution • ASCII * 96 Standard Characters • 100 cps NLQ Printing Speed • 1 y Warranty
The Model 8920 forms printer is a high-performance systems printer designed for heavy-duty forms processing applications and high duty cycle printing environments.

InterScience Computer Corp.

8070+
168x84 Bits Resolution • 100 cps NLQ Printing Speed
The 8070+ is also available with the following optional features: an automatic cut-sheet feeder, character sets, font styles, and bar code fonts.

ICS 9030
240x72 Bits Resolution • 53 cps NLQ Printing Speed • Compressed Characters

ICS 9034
83 cps NLQ Printing Speed • Compressed Characters

ICS 9040
240x72 Bits Resolution • 53 cps NLQ Printing Speed • Compressed Characters

ICS 9044
240x72 Bits Resolution • 33 cps NLQ Printing Speed • Compressed Characters
Feature proportional spacing, continuous under- and overscore, super- and subscript, and italics, serif, and sans-serif text styles. ICS 9030 equipped with nine-wire configuration. ICS 9034 equipped with 24-wire configuration.

ICS MX100
140 cps NLQ Printing Speed

ICS MX120
72 Standard Characters • 180 cps NLQ Printing Speed

ICS MX200
72 Standard Characters • 340 cps NLQ Printing Speed

Ithaca Peripherals Inc.

PcOS 250
144x144 Bits Resolution • 80 Standard Characters • 40 cps NLQ Printing Speed • 2 y Warranty
Point-of-sale printer with both impact and thermal print technology for retail applications where the database for various functions warrant integration into a single computer.

PcOS 51
144x144 Bits Resolution • 40 Standard Characters • 160 cps NLQ Printing Speed • 2 y Warranty
The PcOS 51 generates a basic customer receipt. It also provides for one line of validation.

PcOS 52
144x144 Bits Resolution • 40 Standard Characters • 160 cps NLQ Printing Speed • 2 y Warranty
The PcOS 52 generates receipts and also provides a record of customer transactions on two-ply paper. The second copy is automatically rewound.

PcOS 53
144x144 Bits Resolution • 40 Standard Characters • 160 cps NLQ Printing Speed • 2 y Warranty
An enhanced journal/receipt/validation printer providing functions of the PcOS 52 and the ability to validate checks and print all standard charge forms.

Okidata Corporation

Microline 172
240x216 Bits Resolution • 80 Standard Characters • 30 cps NLQ Printing Speed • 1 Y Warranty
Affordable, compact forms printer.

Microline 182 Turbo
240x216 Bits Resolution • 80 Standard Characters • 38 cps NLQ Printing Speed • 1 y Warranty
Affordable, rugged printer for industrial workstation and pos applications.

Microline 320
240x216 Bits Resolution • 80 Standard Characters • 63 cps NLQ Printing Speed • 1 y Warranty
High-speed, rugged utility printer.

Microline 321
240x216 Bits Resolution • 136 Standard Characters • 63 cps NLQ Printing Speed • 1 y Warranty
High speed, rugged utility printer.

Microline 380
180x360 Bits Resolution • 80 Standard Characters • 60 cps NLQ Printing Speed • 1 y Warranty
Affordability, reliability, and space-sensitivity are some features of this lightweight printer. The perfect, letter-quality printer for the small business/home office.

Microline 390+

Microline 391+
360x360 Bits Resolution • 136 Standard Characters • 90 cps NLQ Printing Speed • 1 y Warranty
Versatile, letter-quality printers for outstanding output.

Microline 393 Plus
360x360 Bits Resolution • 136 Standard Characters • 140 cps NLQ Printing Speed • 1 y Warranty
The versatile high-output workhorse for quality business printing.

PM 2410
144x144 Bits Resolution • 136 Standard Characters • 87.5 cps NLQ Printing Speed • 90 d Warranty
Designed for industrial workstation and point-of-sale markets. The most versatile multifunction dot matrix printer.

Output Technology Corporation

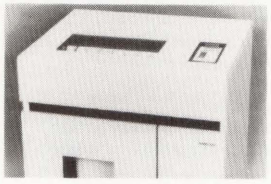
2142
144x144 Bits Resolution • 85 cps NLQ Printing Speed • 90 d Warranty

2162
144x144 Bits Resolution • 120 cps NLQ Printing Speed • 90 d Warranty
The printers' Output-Open-Architecture design offers two expansion slots for additional interfaces or application cards. Upper/lowercase characters printed at draft speed. DEC LA120/LA210 compatible.

2180
144x144 Bits Resolution
Standard features include built-in bar codes, dot addressable graphics, downloadable fonts and font cartridge capabilities.

Speed Of A Band, Flexibility Of A Matrix.

PRINTRONIX®



High Speed P9012
Matrix Line Printer



Compact P3040
Matrix Line Printer

- P9012: Up to 1200 LPM at 55 dBA for less than half the cost of a DEC LP27.®
- P3040: Price/Performance leader in 400 LPM class.
- Select standard or optional 55 dBA configuration.
- Multi-mode printing and character-by-character attributing for text, graphics, electronic forms and bar code label printing.
- Excellent print quality on up to six-part forms.
- Three resident interfaces: Centronics® parallel, Dataproducts® parallel and RS-232C serial.
- Intelligent Graphics Processor (IGP™) option for bar code label and forms generation.
- MESA's Printronix sales area is limited to New England, NJ, PA, DE, MD, VA, DC.

The following are registered trademarks of their respective companies: Centronics of Centronics Data Computer Corporation; Dataproducts of Dataproducts Corporation; DEC of Digital Equipment Corporation.

MESA
TECHNOLOGY CORPORATION

9720 Patuxent Woods Dr.
Columbia, MD 21046
800/888-0567

An Electrocomponents Company

560DL
240x216 Bits Resolution • 68 cps NLQ Printing Speed • 6 mo Warranty
Features front panel menu programming, built-in bar codes, front and bottom paper feed, full international character sets, and Epson, DEC, and IBM Proprinter XL emulations.

850PrintNet
240x216 Bits Resolution • 32 lpm NLQ Printing Speed • 6 mo Warranty
The 850PrintNet is primarily used as a networked or shared device in a cluster of serial computer devices. Bidirectional communication is possible at up to 19.2K baud. DEC LA120/LA210 compatible.

850XL
240x216 Bits Resolution • 32 lpm NLQ Printing Speed • 6 mo Warranty
The 850XL emulates the DEC LA120/LA210 and the Epson, prints 240 lpm in draft quality, and features functional capabilities such as data processing, spreadsheets, labels, bar codes, and graphics (in Epson emulation only).

PRINTDATA

Fujitsu DL4400/5600
360x180 Bits Resolution • 96 Standard Characters • 162 Cps NLQ Printing Speed • 90 d Warranty
8000 hour MTBF;55 dba; 8 resident bar codes; single, double and triple bin sheet feeder options. Also available in color.

PRINTEK INC.

910HT
144x144 Bits Resolution • 45 cps NLQ Printing Speed • 1 y Warranty

920HT
144x144 Bits Resolution • 80 cps NLQ Printing Speed • 1 y Warranty
The 910HT and 920HT feature a new printhead control technique that conducts heat away from printhead, uses ruby bearings to guide print wires onto paper, and more.

930dlx Forms Printer
144x144 Bits Resolution • 40 cps NLQ Printing Speed • 1 y Warranty
The 930/dlx forms printer will print cut sheet and continuous forms with up to nine parts.

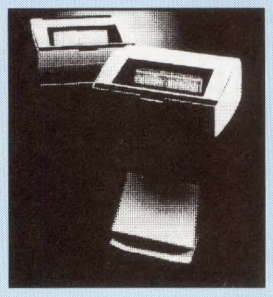
FormsPro 2000
144x144 Bits Resolution • 40 cps NLQ Printing Speed • 1 y Warranty
The FormsPro 2000 is a heavy-duty demand document printer capable of printing forms with up to nine parts. Available with optional bar code, OCR fonts.

PRINTRONIX INC.

MVP Series
120x72 Bits Resolution • 80 lpm NLQ Printing Speed • 1 y Warranty
MVP series printers offer three models for text and graphics printing with speeds up to 200 lpm. Support data processing, multipart forms, electronic forms.

PRINTRONIX INC.

PRINTRONIX

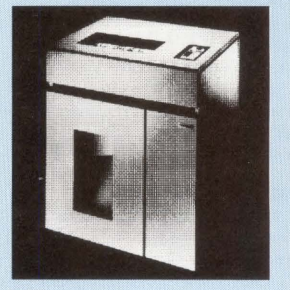


P3040
180x96 Bits Resolution • 400 lpm NLQ Printing Speed • 1 y Warranty
■ **With multimode printing, variable resolution, and exceptional printing functionality, the P3040 fits a broad range of applications. Users may integrate different pitch types and combine text and graphics on the same print line. A world-class printer, the P3040 features comprehensive multinational character sets which are operator-or host-selectable for a braod range of application requirements. The optional Intelligent Graphics Processor (IGP) makes it easy to design general business forms, bar codes, and labels. The optional quietized cabinet offers a quiet 55dBA operation for any environment.**

P6000L Series
120x72 Bits Resolution • 180 lpm NLQ Printing Speed • 1 y Warranty
Features RibbonMinder, offers multifunction capabilities targeted for a wide range of applications including text printing, data processing reports, and bar code labels.

PRINTRONIX INC.

PRINTRONIX



P9012
120x72 Bits Resolution • 132 Standard Characters • 1 y Warranty
■ **The P9012 is the premier printer for high-speed text and graphics printing. With speeds up to 1200 lpm, the P9012 makes short work of a wide variety of applications such as multipart forms, bar code labels, and data processing reports. The Intelligent Graphics Processor (IGP) option brings electronic forms generation to high-speed printing, eliminating the need for preprinted forms. Tough enough for the shipping dock and a quiet 55dBA operation for the office, the P9012 does it all with ease, speed, and Printronix reliability.**

SUMMUS COMPUTER SYSTEMS

SUM-2400
200x200 Bits Resolution • 136 Standard Characters • 60 cps NLQ Printing Speed • 90 d Warranty

TEMPEST TECHNOLOGIES INC.

1020T
120x48 Bits Resolution • 132 Standard Characters • 100 cps NLQ Printing Speed • 90 d Warranty
The 1020T utilizes plug-in personality and font cartridges for maximum flexibility in selecting fonts, emulations, and interfaces.

LPF 5600
120x72 Bits Resolution • 600 lpm NLQ Printing Speed • 90 d Warranty

LPF 5600XQ
120x72 Bits Resolution • 600 lpm NLQ Printing Speed • 90 d Warranty

LPM 5300
120x72 Bits Resolution • 300 lpm NLQ Printing Speed • 90 d Warranty

LPM 5300XQ
120x72 Bits Resolution • 300 lpm NLQ Printing Speed • 90 d Warranty
Feature spring leaf hammers and coils mounted on a hammer bank. Magnet holds each hammer in retracted position until it prints a single dot. It is then released by electrical impulse through its associated coil. XQ model equipped with quietized cover.

SLP 3184
144x144 Bits Resolution • 50 cps NLQ Printing Speed • 90 d Warranty
Available with single and double-bin sheet feeders, bar codes capabilities, font styles, downloadable fonts, and a 6KB buffer expansion.

SLP 3304
144x144 Bits Resolution • 100 cps NLQ Printing Speed • 90 d Warranty

SLP 3404
144x144 Bits Resolution • 100 cps NLQ Printing Speed • 90 d Warranty

TEXAS INSTRUMENTS INC.

810
3 mo Warranty
The 810 is capable of handling forms up to nine parts thick and is also available with optional stacking trays. An enhanced model (letter quality) is also available.

810LQ
20 cps NLQ Printing Speed • 3 mo Warranty
Same as the 810. This model also features downloadable fonts, sub- and superscript and bar code capabilities.

850C
144x144 Bits Resolution • 35 cps NLQ Printing Speed • 3 mo Warranty

850XL
144x144 Bits Resolution • 35 cps NLQ Printing Speed • 3 mo Warranty

855
144x144 Bits Resolution • 35 cps NLQ Printing Speed • 3 mo Warranty

860XL
144x144 Bits Resolution • 35 cps NLQ Printing Speed • 3 mo Warranty

865
144x144 Bits Resolution • 35 cps NLQ Printing Speed • 3 mo Warranty
Available with 4KB or 16KB buffer option expansions. Model 855 is also available with an automatic sheet feeder package.

875
144x144 Bits Resolution • 35 cps NLQ Printing Speed • 3 mo Warranty

877
144x144 Bits Resolution • 35 cps NLQ Printing Speed • 3 mo Warranty
Versatile desktop printers for word processing and data processing applications, featuring color printing, multiple, paper paths, paper parking and three print speeds.

880
144x144 Bits Resolution • 75 cps NLQ Printing Speed • 3 mo Warranty

880DP
144x144 Bits Resolution • 150 cps NLQ Printing Speed • 3 mo Warranty
Rear or bottom straight paper paths are standard. Optional printheads are available for various part forms.

885
144x144 Bits Resolution • 3 mo Warranty
The 885 is a demand document printer, featuring zero tear-off and a straight paper path. An optional 22KB buffer expansion is available.

Electrostatic Plotters

CalComp Inc.

57424
400x400 dpi Resolution • 25/25MBytes Plot Memory • Controller Included • 90 d Warranty

57424XP
400x400 dpi Resolution • 25-140MBytes Plot Memory • Controller Included • 90 d Warranty

57436
400x400 dpi Resolution • 25/140MBytes Plot Memory • Controller Included • 90 d Warranty

57436XP
400x400 dpi Resolution • 24/140MBytes Plot Memory • Controller Included • 90 d Warranty

57444
400x400 dpi Resolution • 24/140MBytes Plot Memory • Controller Included • 90 d Warranty

57444XP
400x400 dpi Resolution • 25/140MBytes Plot Memory • Controller Included • 90 m Warranty
Feature control panel, line enhancement, self-diagnostics, CalComp's patented Enviroclean toning system, plug-in firmware, exclusive quick-plotting mode, and overlap load.

58424
400x400 dpi Resolution • 12MBytes Plot Memory • Controller Included

58436XP
400x400 dpi Resolution • 25-280MBytes Plot Memory• Controller Included

58444XP
400x400 dpi Resolution • 25-280MBytes Plot Memory • Controller
Feature electronic registration, plug-in ROM pack firmware, self-diagnostics, and CalComp's patented Enviroclean toning system.

58424XP
400x400 dpi Resolution • 24/280MBytes Plot Memory • Controller Included

58436
400x400 dpi Resolution • 12MBytes Plot Memory • Controller Included

58444
400x400 dpi Resolution • 12MBytes Plot Memory • Controller Included
Offer the same features as the 58424 model. In addition, these models feature an extra-performance processor, thereby improving total throughput.

DrawingMaster 52224
200 dpi Resolution • 25MBytes Plot Memory • Controller Included • 90 d Warranty

DrawingMaster 52236
200 dpi Resolution • 25MBytes Plot Memory • Controller Included • 90 d Warranty
DrawingMaster uses direct imaging technology to produce one- or two-color plots without pens, ribbons, or toner. User can select higher resolution or faster plotting speed.

Precision Image Corporation

C448
400x400 dpi Resolution • 20MBytes Plot Memory • Controller Included • 90 d Warranty
The C448 is equipped with an internal vector-to-raster controller and is compatible with Calcomp and Versatec software. Optional 85MB of expansion memory available.

M448
400x400 dpi Resolution • 20MBytes Plot Memory • Controller Included • 90 d Warranty
The M448 is capable of plotting in 48 gray shades and 80 patterns. Equipped with internal vector-to-raster controller. Compatible with Calcomp, Versatec software.

Versatec

8524
200x200 dpi Resolution • Controller Included
Now, traditional pen plotter users may afford the speed and high performance of electrostatic. Versatec's 8524 monochrome plotter has been reduced from $19,900 to $16,900.

8536
200x200 dpi Resolution • Controller Included
Versatec announces another first: a wide format electrostatic monochrome plotter for under $20,000. The 8536 provides E-size drawings on 36" wide roll media.

Hard Copy Units

Codonics Inc.

VP-3500
300x300 Bits Resolution
The VP-3500 is capable of generating gray-scale images directly from an external video source.

VP-95 II
300x300 Bits Resolution

Tektronix Inc.

RGBII
300x300 Bits Resolution • 16M Displayable Colors
The RGBII color screen printer features a personal control unit for local control, eight-port mux, pre-stored calibrations, and interconnect cables up to 1.6KM.

Ink Jet Printers

Eastman Kodak

Diconix 150 Plus
192x192 Bits Resolution
Ideal companion to a laptop computer. Battery operated, lightweight portable printer that performs at 180 characters per second in draft mode.

Hitachi America Ltd.

HJP-1610
400x400 Bits Resolution
The HJP-1610 is available five months after ordering.

Tektronix Inc.

4696
120x120 Bits Resolution • Graphics Support • 90 d Warranty
Displayable colors include magenta, yellow, cyan, red, blue, green, black, and white.

Ion Deposition Printers

Data Systems Hardware

VX023
30 ppm Printing Speed • 43 Resident Fonts
The VX023 high-speed output at 45 ppm. Electronic forms processing accommodated by downloading and storing up to eight forms in internal storage.

VX06
24 ppm Printing Speed • 12 Resident Fonts
The VX06 offers laser printing in simplex or duplex models. Full LN03 compatibility is a standard feature.

DeRex Inc.

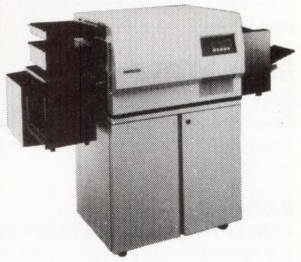
S3000
30 ppm Printing Speed • 8 Resident Fonts
Features duty cycle of 250,000 pages per month, paper capacity of up to 2500 pages, and connects as parallel printer or off DeRex Ethernet server.

S3000-II
30 ppm Printing Speed • 8 Resident Fonts
The S3000-II supports vector draw and raster graphics through DeRex's raster image processor which uses HP LaserJet+, Diablo 630, LinePrinter, and LN03+ emulations.

S4500
45 ppm Printing Speed • 8 Resident Fonts
High-performance page printer with an unmatched duty cycle and low cost of ownership. Excellent replacement for high-speed line printers.

24 PPM Report Expeditor

PRINTRONIX®



L2624

- Fast, efficient simplex or duplex printing with 24 PPM throughput.
- 80,000 pages per month for high volume requirements.
- DEC LN03® and Tektronix 4014® emulations.
- Proven LED array imaging system with 300 X 300 DPI resolution.
- 4 MB memory for graphics, down-loading fonts or system use.
- Select resident fonts with built-in disk drive.
- Upgrade software for future applications and emulation requirements.
- 800 sheet input (dual cassette)/550 sheet output.
- Input trays handle multiple paper sizes.
- Save time and money with operator changeable toner, developer, fuser and photoconductor cartridges.
- Standard interfaces: Centronics® Parallel, RS-232C and RS-422 Serial.
- MESA's Printronix sales area is limited to New England, NJ, PA, DE, MD, VA, DC.

The following are registered of their respective companies: DEC LNO3 of Digital Equipment Corporation; Tektronix 4014 of Tektronix, Inc.; Centronics of Centronics Data Computer Corporation.

MESA TECHNOLOGY CORPORATION
9720PatuxentWoodsDr.
Columbia, MD 21046
800/888-0567
An Electrocomponents Company

S4500-II
45 ppm Printing Speed • 8 Resident Fonts
The S4500-II supports vector draw and raster graphics through DeRex's raster image processor which uses HP Laserjet+, LN03+, Diablo 630, or LinePrinter emulations. Heavy duty applications.

S6000-II
75 ppm Printing Speed • 8 Resident Fonts
The S6000-II features an unmatched high performance with cost of ownership at less than two cents per page.

Image Systems Inc.

MegaLine
30/45 Ppm Printing Speed • 4 Resident Fonts
Line printer replacement with forms overlay and multiple copy feature.

MegaPro
30/45 Ppm Printing Speed • 8 Resident Fonts
Capable of generating graphics using vector draw, area fill or host download bitmapped graphics. Diablo and HP Laserjet emulation.

MegaServe
30/45 Ppm Printing Speed • 43 Resident Fonts
Emulations include DEC LN03 Plus, HP Laserjet series II, Diablo 63, Postscript, Tek 4014, ANSIx3.64; optional 32MB Winchester Disk.

Image Systems Inc.

Image Systems, Inc.



MegaSeries Printers
■ **The MegaSeries from Image Systems feature rugged reliability and are packed with capabilities matched to a wide range of applications. Offered in both 30- and 45-page-per-minute models, the Mega Series are designed for an average monthly use of up tp 250,000 pages. Because of their designed-in quality and durability, their cost of ownship has been shown to be less than 2 cents per page. From a line printer replacement model, to high-performance models featuring Ethernet and multiple emulators (priced from $12,995 to $29,995) the MegaSeries are the most cost-effective non-impact printers on the market.**

Miltope Corporation

3802
90 ppm Printing Speed • 4 Resident Fonts
Requires the DEC DFM-32 controller.

Series 30L
30 ppm Printing Speed • 8 Resident Fonts
Requires the DEC DFM-32 controller. Features two-up printing for archival storage. Options include a 2000-sheet paper elevator and a base cabinet.

Series 30M
30 ppm Printing Speed • 8 Resident Fonts
Requires the DEC DFM-32 controller. Features include bar code printing, two-up printing for archival storage, and logos and signatures for office correspondence. Optional 2000-sheet paper elevator.

Series 37
37 ppm Printing Speed • 8 Resident Fonts
Requires the DFM-32 controller. Features include two-up printing for archival storage, bar code printing, and logos and signatures for office correspondence.

Series 60
60 ppm Printing Speed • 4 Resident Fonts
Requires the DFM32 controller.

Series 75
75 ppm Printing Speed • 4 Resident Fonts
Requires the DEC DFM-32 controller.

NBS Southern Inc.

3880
80 ppm Printing Speed • 115 Resident Fonts
Features a standard two-forms overlay buffer and positive job separation, and is plug compatible with all popular computers and PC networks. DMF or Ethernet attach.

Mercurion 1/80
80 ppm Printing Speed • 4/8 Resident Fonts
The Mercurion 1/80 is a high-volume unit for printing variable data output. DMF-32 or Ethernet connect.

Laser Printers

Advanced Technologies International

0880/DW-2
8 ppm Printing Speed • 300x300 dpi Resolution

0880/DW-3
8 ppm Printing Speed • 300x300 dpi Resolution
Eight-page-per-minute laser printer designed for text and graphics processing.

0880/GR-2
8 ppm Printing Speed • 300x300 dpi Resolution
Eight-page-per-minute Laser printers that is a plug-compatible Versatec V-80 replacement.

1570/DW-2
15 ppm Printing Speed • 300x300 dpi Resolution

1570/DW-3
15 ppm Printing Speed • 300x300 dpi Resolution
The 1570/DW-2 and DW-3 are 15-page-per-minute laser printers designed for text and graphics applications.

2670/DW-2
26 ppm Printing Speed • 300x300 dpi Resolution

2670/DW-3
26 ppm Printing Speed • 300x300 dpi Resolution
Feature a straight-through paper path that makes operation virtually jam-proof. Options include an output collator and a print share unit.

2670/GR-2
26 ppm Printing Speed • 300x300 dpi Resolution
26-page-per-minute laser printer that is a plug-compatible Versatec V-80 replacement.

LC-6026
26 ppm Printing Speed • 300x300 dpi Resolution
26-page-per-minute laser printer designed for high-speed text and graphics processing.

BGL Technology Corporation

Mark B
8 ppm Printing Speed • 300x300 dpi Resolution • 9 Resident Fonts
The Mark B also emulates LaserJet+, Diablo 630, and Epson FX-80, expandable to 4MB. Postscript version is available for $2,795.

Mark I
12 ppm Printing Speed • 300x300 dpi Resolution • 17 Resident Fonts

Mark I Plus
12 ppm Printing Speed • 300x300 dpi Resolution • 24 Resident Fonts
Emulate Versatec, LN03, LN03 Plus, Tek 4010/4014, HP-GL, LJII; controller is 16MHz/80286 with graphics processor. May be configured to users needs.

Mark II
26 ppm Printing Speed • 300x300 dpi Resolution • 17 Resident Fonts
The Mark II emulates HP-GL, Tek 4010/4014, Versatec, LJII; controller is 12MHz/80286 with graphics processor. Maybe configured to users needs.

Mark III
26 ppm Printing Speed • 300x300 dpi Resolution • 24 Resident Fonts

Mark IT
12 ppm Printing Speed • 300x300 dpi Resolution • 17 Resident Fonts
Emulates Versatec, LN03, LN03 Plus, Tek 4010/4014, HP-GL, LJII; controller is 16MHz/80286 with graphics processor. May be configured to users needs.

Mark IV
Postscript • 26 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
The Mark IV emulates Versatec, Tek 4014/4010, LN03, LN03 Plus, HP-GL, LJII. Controller is 16MHz/80286 w/RISC processor. May be configured to users needs.

Camintonn Corporation

TurboLaser/PS
Postscript • 8 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
The TurboLaser/PS also supports AppleTalk.

TurboLaser/PS-Plus3
Postscript • 8 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
Users may switch from one emulation (DEC LN03, HP Laserjet Series II, Xerox, and Diablo 630 ECS) to another via software commands.

Data Systems Hardware

VX 020
Postscript • 12 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
The DSH VXO020 is Postscript compatible and prints at a true 12 ppm. The HP LaserJet emulation offers an alternative for non-Postscript applications. Supports AppleTalk.

DataProducts Corporation

LZR 1230
12 ppm Printing Speed • 300x300 dpi Resolution • 10 Resident Fonts
The LZR 1230 provides multiple emulations and paper handling options for network support.

LZR 1260
Postscript • 12 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
The LZR 1260 also supports AppleTalk. LZR 1260ess model features 4MB DRAM plus standard 20MB hard disk — $7995.

LZR 2620
26 ppm Printing Speed • 300x300 dpi Resolution • 14 Resident Fonts
Recommended for hardware and software systems that already use line printers as primary output devices. Features form, overlay, logo and barcode capabilities.

LZR 2630
26 ppm Printing Speed • 300x300 dpi Resolution • 10 Resident Fonts
May be integrated into many word processing environments that require letter-quality printing, and also features shared resource capabilities, supporting up to 40 workstations.

LZR 2655
26 ppm Printing Speed • 300x300 dpi Resolution • 6 Resident Fonts
The 2655 is also available with three different types of control software. Please consult factory for detailed information.

LZR 2655/LJ
26 ppm Printing Speed • 300x300 dpi Resolution • 34 Resident Fonts
The LZR 2655/LJ provides HP-LJ printing with a monthly 100K duty cycle durability.

LZR 2655/LN
26 ppm Printing Speed • 300x300 dpi Resolution • 17 Resident Fonts
The LZR 2655/LN provides heavy duty printing for the LN03+ market.

LZR 2665
Postscript • 26 ppm Printing Speed • 300x300 dpi Resolution • 13 Resident Fonts
The 2665 also features the capability to integrate text and graphics on one page.

DeRex Inc.

DRL 10
Postscript • 10 ppm Printing Speed • 300x300 dpi Resolution • 79 Resident Fonts
Diablo 630, Qume Sprint II, NEC 3500, IBM graphics, HP Laserjet II, Epson FX, and line printer emulations are standard features.

DRL 10+
10 ppm Printing Speed • 300x300 dpi Resolution • 79 Resident Fonts
Features dual input hoppers, a manual

envelope feeder and seven printer emulations. Options include a high-capacity sheet feeder, raster and vector graphics, and 39 bar codes.

DRL 20
18 ppm Printing Speed • 300x300 dpi Resolution • 79 Resident Fonts
Features seven printer emulations, dual input hoppers, raster and vector graphics and 39 bar codes. Options include a high-capacity sheet feeder and envelope feeder.

Facit Inc.

P6060
6 ppm Printing Speed • 300x300 dpi Resolution • 6 Resident Fonts
Features HP-LJ+ emulation, front panel menus, a straight paper path, face-up or -down output, and prints labels and envelopes.

Genicom Corporation

6140
15 ppm Printing Speed • 400x400 dpi Resolution • 15 Resident Fonts

6142
20 ppm Printing Speed • 400x400 dpi Resolution • 15 Resident Fonts
Support ACE and GeniScript (Postscript compatible) PDLs ideal for word processing and business graphics applications. 6142 also features 2MB to support desktop publishing, integrated text, and graphics.

InterScience Computer Corp.

LR 1200
Postscript • 12 ppm Printing Speed • 300x300 dpi Resolution • 12 Resident Fonts
The LR1200 has a duty cycle of 25,000 pages per month, and also features proportionally spaced text.

LR 2600
Postscript • 26 ppm Printing Speed • 300x300 dpi Resolution • 6 Resident Fonts
The LR 2600 has a duty cycle of 80,000 pages per month, and features proportionally spaced text.

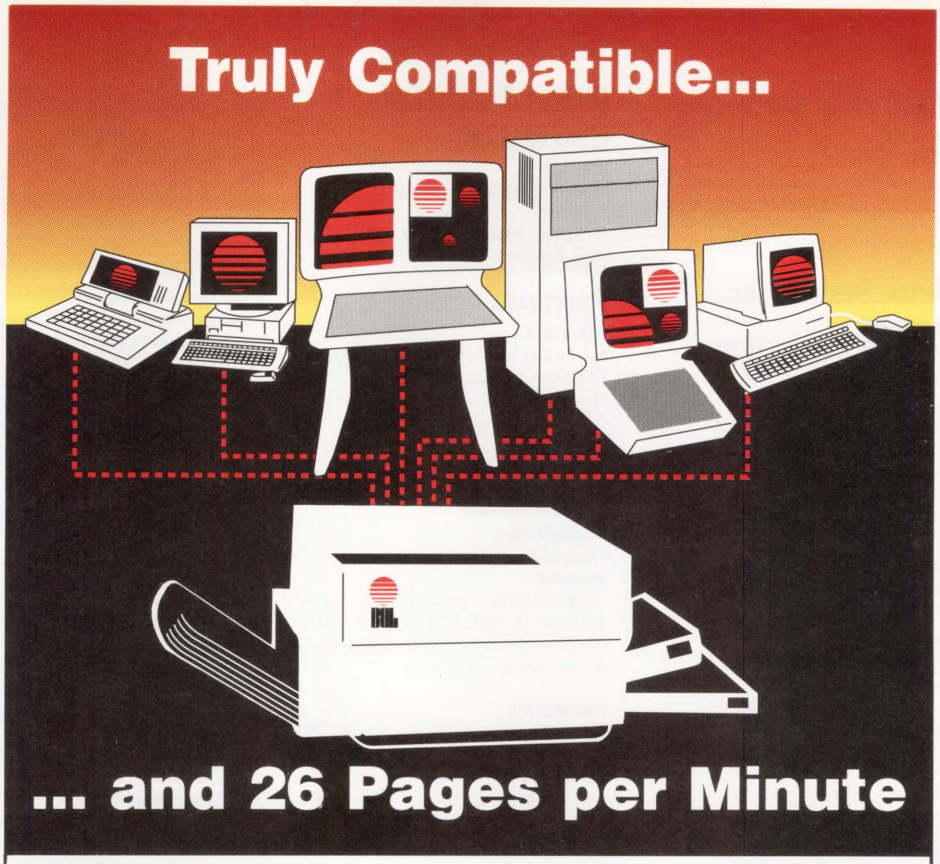
Kentek Information Systems

K-2
12 Ppm Printing Speed • 240x240 Dpi Resolution • 30 Resident Fonts

K-2+
15 Ppm Printing Speed • 300x300 Dpi Resolution • 36 Resident Fonts

K-3
Postscript • 24 Ppm Printing Speed • 300x300 Dpi Resolution • 36 Resident Fonts

K-4
Postscript • 24 Ppm Printing Speed • 300x300 Dpi Resolution • 36 Resident Fonts
Also available with additional optional fonts, a cluster switch, which allows support for up to eight CPUs via a port scanning switch, and a virtual device interface that enables the printer to accept function commands form ANSI or ISO standard VDI commands.



The fastest systems on the market.

BGL's family of LaserLeaders deliver the best price/speed/performance available. To prove it we will benchmark any files you choose to send us. Compare our print quality, graphics processing and application flexibility to any other plotter or printer on the market.

Easy Compatibility

Because of the architecture of the controller, no matter how complicated the graphics used, or if dissimilar hosts are driving simultaneously, the printer will never show a "PRINTER BUSY". BGL's system has two 8 1/2"x11" full page buffers (11"x17" double page buffers available) for maximum throughput.

Expandability

LaserLeaders are designed to change as your needs change. Easy to update and create emulations, LaserLeaders have flexibility of interfacing, and the ability to add special features for customers (on site if desired.)

Internal Emulation and Network Versatility

LaserLeaders can mix and match with LN03, LNO3 Plus, HP/GL, LaserJet Series II, Versatec, Tektronix 4010/4014, and BGL/PDL (PostScript), Sixel Graphics, and "Z" emulations. **Network interfaces include:** Ethernet (DECnet, TCP/IP), Versatec, Centronics, Dataproducts, AppleTalk, IEEE-488, and RS-232C. **Up to 35 typefaces standard.** Mix as many fonts as you need per page. Supports Adobe type fonts. Duty cycles range from 25,000 to 100,000 pages per month.

Ten Years of Reliability

BGL has systems installed in Fortune 500 companies and the government. LaserLeaders can run almost all communication software, enabling our systems to communicate for remote diagnostics and software updates.

LaserLeaders have a 16 MHz/286 (16 MHz/386 or 20 MHz/386 optional), 5.64 MB of memory and a 1.2 megabyte floppy, 20 megabyte hard disk standard, coupled with graphics processor or the newest 32 bit Intel 80960 RISC processor.

BGL's systems have nation-wide maintenance support through TRW.

For further information, call
(805) 987-7305

BGL Technology Corporation
438 Constitution Avenue
Camarillo, CA 93010

FAX: (805) 987-7346
Telex: 467154

MacDonald Dettwiler

Fire 240
2500 dpi Resolution
The Fire 240 laser beam film recorder is a high-resolution (12.5 micron) continuous tone raster image recorder using an on-line UNIBUS interface.

Mitek Systems Inc.

Tempest 120T
8 ppm Printing Speed • 300x300 dpi Resolution

Tempest 125T
8 ppm Printing Speed • 300x300 dpi Resolution
The 125T features the same capabilities as the 120T; however, it offers the capacity for three users to share the printer.

Tempest 130T
8 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts

NBS Southern Inc.

NBS 3840D
40 ppm Printing Speed • 300x300 dpi Resolution • 114 Resident Fonts
The 3840D prints 40 images per minute and supports duplex printing, DMF-32 or Ethernet connect with 114 available fonts.

Nissho Electronics Corporation

LN-2248
Postscript • 22 ppm Printing Speed • 480x480 dpi Resolution • 35 Resident Fonts
Suited for electronic publishing and CAD/CAM, the LN-2248 may be adapted easily to fit general and custom applications as a departmental or demand publishing printer.

Office Automaton Systems Inc.

LaserPro 1510
15 ppm Printing Speed • 300x300 dpi Resolution • 33 Resident Fonts
Features bar code capabilities and is also available with an optional 1.152MB RAM.

LaserPro 2200
22 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts

LaserPro 5308
8 ppm Printing Speed • 300x300 dpi Resolution • 27 Resident Fonts

LaserPro 5315
15 ppm Printing Speed • 300x300 dpi Resolution • 33 Resident Fonts

LaserPro 810
8 ppm Printing Speed • 300x300 dpi Resolution • 33 Resident Fonts

LaserPro Gold Expres
8 ppm Printing Speed • 300x300 dpi Resolution • 33 Resident Fonts

LaserPro Series II
8 ppm Printing Speed • 300x300 dpi Resolution • 27 Resident Fonts

LaserPro Silver Expr
8 ppm Printing Speed • 300x300 dpi Resolution • 33 Resident Fonts

Output Technology Corporation

LM6000/2
16 ppm Printing Speed • 300x300 dpi Resolution
Emulates: IBM Proprinter, DEC LN03 Plus, Tek 4010/4014, and DEC LG01.

Printdata

Fujitsu 3054
Ppm Printing Speed • 240x240 Dpi Resolution • 4 Resident Fonts
This a continuous (fanfold) feed printer that prints up to 2300LPM.

Printer Systems Corporation

Intelliprint 106
6 Ppm Printing Speed • 300x300 Dpi Resolution
The Intelliprinter 106 features HP LaserJet Series II, PMP, IBM3812-2, and DEC LN03+ compatibilities and also supports A4, A5, and B5 paper sizes.

Intelliprint 218
Postscript • 18 Ppm Printing Speed • 300x300 Dpi Resolution
The Intelliprint features HP Laserjet Series II, DEC LN03+, and IBM 3812-2 compatibilities. Also suppports A5 and B5 paper sizes.

Printronix Inc.

L1012
12 ppm Printing Speed • 300x300 dpi Resolution
Combines high quality of printing and graphics using laser technology with rugged design. Unlimited downloadable font selection. User-changeable drum, developer, toner cartridges, heat fusers.

PRINTRONIX INC.

PRINTRONIX



L2624
24 ppm Printing Speed • 300x300 dpi Resolution • 72 Resident Fonts
■ With a top speed of 24 images per minute and a duty cycle of 120,000 images per month, the L2624 VAX Page Printer meets high-volume printing needs. The L2624 supports industry-standard LN03 PLUS and TEK 4010/4014 emulations. Solid-state LED array technology achieves higher reliability by eliminating the moving parts of laser imaging systems. The L2624's superior paper handling and 300 dpi resolution deliver top quality, collated output. Standard dual built-in disk drives make it easy to select resident fonts and to upgrade software for future applications and emulations. Simplex or duplex models available.

L1212
Postscript • 12 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
The L1212 Postscript Page Printer uses Risc Technology to print at 12 pages per minute for most Postscript applications. 25,000 page-per-month duty cycle.

QMS Inc.

2308/S Turbo Imageserver XP
Postscript • 8 ppm Printing Speed • 300x300 dpi Resolution • 254 Resident Fonts
The Imageserver XP is equipped with an external controller that features 6MB RAM with a 20MB hard drive, imPRESS, and UltraScript PDLs, and five additional emulations. Supports Ethernet and 35 different typefaces.

2308/S-3 Imageserver XP
8 ppm Printing Speed • 300x300 dpi Resolution • 8 Resident Fonts

3308/S Imageserver XP
8 ppm Printing Speed • 300x300 dpi Resolution • 8 Resident Fonts
The Imageserver XP is equipped with imPRESS, a page description language capable of typesetting and graphics functions. Supports Ethernet and five additional resident printer emulations.

3308/S Turbo Imageserver XP
Postscript • 8 ppm Printing Speed • 300x300 dpi Resolution • 254 Resident Fonts

3320 Turbo Imageserver XP
Postscript • 20 ppm Printing Speed • 300x300 dpi Resolution • 254 Resident Fonts

5320 Turbo Imageserver XP
Postscript • 20 ppm Printing Speed • 300x300 dpi Resolution • 254 Resident Fonts
These have an external controller with 6MB RAM and a hard disk. Supports imPRESS, five additional emulations, Ethernet and 35 typefaces.

6320 Turbo Imageserver XP
Postscript • 20 ppm Printing Speed • 300x300 dpi Resolution • 254 Resident Fonts

7320 Turbo Imageserver XP
Postscript • 20 ppm Printing Speed • 300x300 dpi Resolution • 254 Resident Fonts
The 7320 Turbo and 6320 Turbo have an external controller with 6MB RAM and a 20MB hard disk. Supports duplex and signature printing.

QMS-PS 1500
Postscript • 15 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
The QMS-PS 1500 has an external SCSI interface for additional hard disk memory support. The printer features a 16MHz/68020 CPU.

QMS-PS 2210
Postscript • 22 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts

QMS-PS 2220
Postscript • 22 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
Feature a 16MHz/68020 CPU; Diablo 630, HPPCL and HP-GL emulations and an external SCSI Interface for additional hard disk support.

QMS-PS 810
Postscript • 8 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
The QMS-PS 810 features Diablo 630, HPPCL and HP-GL emulations. A memory upgrade to 3MB RAM is an available option.

QMS-PS 810 TURBO
Postscript • 8 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts

QMS-PS 820 Turbo
Postscript • 8 ppm Printing Speed • 300x300 dpi Resolution• 35 Resident Fonts
Feature a 20MHz/68020 CPU; Diablo 630 HPPCL and HP-GL emulations; and RAM expansion up to 8MB.

QMS-PS 820
Postscript • 8 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
The QMS-PS 820 features Diablo, HP-GL and LaserJet+ emulations and a memory upgrade to RAM is available.

QMS-PS 820 Turbo
Postscript • 8 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts

Ricoh Corporation

LP 4150
15 ppm Printing Speed • 300x300 dpi Resolution

PC Laser 6000
6 ppm Printing Speed • 300x300 dpi Resolution

Rosetta Technologies Corporation

RT4115 Page Printer
15 Ppm Printing Speed • 300x300 Dpi Resolution • 70 Resident Fonts
High duty cycle LED printer with LN03 Plus or HP Laserjet Plus emulations. DEC compatible fonts standard.

RT4224 Page Printer
24 Ppm Printing Speed • 300x300 Dpi Resolution • 70 Resident Fonts
24 page per minute LED printer with Plus or HP Laserjet Plus emulations. Sixel/Regis, 4014 graphics, DEC compatible fonts.

RT4324 Duplex Page Printer
24 Ppm Printing Speed • 300x300 Dpi Resolution • 70/140 Resident Fonts
Duplex printing at 24 sides per minute, with LN03 Plus or HP IID emulations. Sixels/Regis/40 14 graphics and DEC compatible fonts.

Summus Computer Systems

SUM-8 II
8 ppm Printing Speed • 300x300 dpi Resolution
The SUM-8 II is also available with a memory expansion capacity up to 4MB.

Talaris Systems Inc.

1590 Printstation
15 ppm Printing Speed • 300x300 dpi Resolution • 45 Resident Fonts
Features a new architecture designed for multiuser computing environment, which employs two processors: the Texas Instruments Graphics System Processor (GSP) for imaging and the National Semiconductor 32016 for managing I/O.

1590-T Printstation
15 ppm Printing Speed • 300x300 dpi Resolution • 45 Resident Fonts
Equipped with a 50MHz graphics processor within the standard Printstation Control System that prepares the second page in memory while the first is still printing.

TALARIS SYSTEMS INC.



1590-LN Printstation
15ppm Printing Speed•300x300 dpi Resolution•15 Resident Fonts
■ **The standard Talaris Printstation line is a family of Ethernet-capable laser printers designed to meet the shared-printing requirements of a network of users. The 1590-LN Printstation is specialized for users who need only LN03/LN03 PLUS-compatible printing but have outgrown the DEC eight ppm printer line. The 1590-LN is a lower-priced Talaris Printstation that includes only those Printstation features that appeal most to LN03 users, including dual paper trays with legal-paper option, two times the printing speed, double the number of fonts, five times the duty cycle, and optional direct connection to Ethernet.**

2492-B Printstation
24 ppm Printing Speed • 300x300 dpi Resolution • 45 Resident Fonts
Designed for high-volume print needs; features a rated engine speed of 24 ppm and a paper capacity that allows almost 90 minutes of continuous printing.

T811/2
8 ppm Printing Speed • 300x300 dpi Resolution • 15 Resident Fonts
The T811/2 features Diablo 630 ECS, Epson FX-80, and Qume Sprint emulations.

TEXAS INSTRUMENTS INC.

microLaser
6 ppm Printing Speed • 300 dpi Resolution • 14 Resident Fonts

microLaser PS17
Postscript • 6 ppm Printing Speed • 300 dpi Resolution • 17 Resident Fonts
User upgradeable memory, interfaces, paper handling. PCL/Postscript soft switching for networks, small footprint, and superior paper handling, optional 250-sheet input tray and automatic envelope feeder.

microLaser PS35
Postscript • 6 ppm Printing Speed • 300 dpi Resolution • 35 Resident Fonts
User upgradeable memory, interfaces, paper handling. PCL/Postscript soft switching for networks, small footprint, and superior paper handling with optional 250-sheet input tray and automatic envelope feeder.

THE LASER CONNECTION

PS Jet+
Postscript • 300x300 dpi Resolution • 35 Resident Fonts
Controller upgrade for Canon CX-based engine to Postscript functionality w/35 typefaces, Diablo 630, HP LaserJet Plus and HP-GL includes serial, parallel, Appletalk interfaces.

VARITYPER

Series 4000
Postscript • 26 lpm Printing Speed • 2400x2400 dpi Resolution • 25 Resident Fonts
Series 4000 laser imagesetter outputs text and graphics from variety of front-end systems. Can store up to 1000 fonts with optional 330MB Winchester disk.

VT-600Plus
Postscript • 10 ppm Printing Speed • 600x600 dpi Resolution • 13 Resident Fonts
Supports the AppleTalk interface. Has the capacity to download up to 400 fonts stored on the 40MB Winchester. Also uses 31 Adobe Postscript type fonts.

VT-600W
Postscript • 10 ppm Printing Speed • 600x600 dpi Resolution • 35 Resident Fonts
Generates output up to 7 ppm for 11x17 paper size and also features an AppleTalk interface.

XEROX CORPORATION

4045 Laser CP-160
Postscript • 10 ppm Printing Speed • 300x300 dpi Resolution • 35 Resident Fonts
Distributed printer for shared environments. Heavy duty cycle. Software emulation switching capability.

4045 Laser CP-150
10 ppm Printing Speed • 300x300 dpi Resolution • 2 Resident Fonts
Options include an envelope cassette which holds up to 25 envelopes, 11.5-2MB extended memory, and a 750-sheet/ feeder stacker.

MAGNETOGRAPHY PRINTERS

BULL PRINTING SYSTEMS INC.

MP 5050
240 Bits Resolution • 50 ppm Printing Speed • LEDs • 90 d Warranty
Offers a high-end solution to DEC impact line printer users who require speed and flexibility.

MP 6090.2
240 Bits Resolution • 90 ppm Printing Speed • LEDs
Offers a high-end solution to DEC line printer users who require speed and flexibility.

MISCELLANEOUS PRINTERS

CONSTANTINE ENGINEERING LABS

5000A

5000B

8000A

8000B
Series of 35mm slidemakers.

EASTMAN KODAK

1392
Non-Impact • 300x300 dpi Resolution • 92 imp Printing Speed • 90 d Warranty
Printer supports multiple PDLs including Postscript. Open architecture and software enhancements provide systems flexibility. Utilizes LED imaging which produces extremely clean originals.

MACDONALD DETTWILER

ColorFire 240
Non-Impact • 1250 dpi Resolution • 90 d Warranty
The color Fire 240 is a UNIBUS-compatible color film recorder that can write a 20-micron resolution pixel image in less than 15 minutes; 3600 lpm.

TEKTRONIX INC.

4693DX
Non-Impact • 300x300 dpi Resolution • 1 ppm Printing Speed • 90 d Warranty
The 4693DX features multiuser and multitasking capabilities, 256 gray shades, 4MB RAM, and has a multiple print capability producing up to 99 copies, automatically.

4693DXS
Non-Impact • 300x300 dpi Resolution • 1 ppm Printing Speed • 90 d Warranty
The 4693DXS includes the same features as the 4693D. In addition, it is equipped with an image-enhancing color graphics rasterizer to produce laser-quality output.

PEN PLOTTERS

BRUNING COMPUTER GRAPHICS

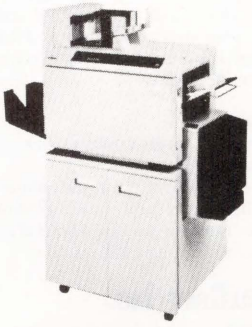
Zeta 5400
4 Pens • 35 Ips Pen Velocity • LEDs • Controller Included
The 5400 is a 54-inch wide roll plotter equipped with a proprietary servo-motor system as well as a linear actuator pen system.

Zeta 912
8 Pens • 30 Ips Pen Velocity • LEDs • Controller Included
The Zeta 912 produces A and B size plots, as well as B-width output up to 120 inches in length. Eight pens produce brilliant color.

Zeta 924PS
8 Pens • 30 Ips Pen Velocity • LEDs • Controller Included
Roll-feed operation accommodates media up to 120 inches long with true long-axis plotting, not frame-to-frame. Quickly adapts to cut-sheet operation if needed.

LN03, Ethernet and POSTSCRIPT In One Printer.

C.ITOH



MegaServe

- High speed, high quality text and graphics in 30 and 45 PPM models.
- Monthly duty cycle up to 250,000 pages at approximately 2 cents per page.
- Emulations include DEC LN03® Plus, HP LaserJet II,® Tektronix 4014® and Diablo 630 ECS.®
- Standard interfaces include Dataproducts® parallel, Centronics® parallel, SCSI, RS-232 and RS-422.
- POSTSCRIPT® language and Ethernet® connectivity are also available.
- 43 resident fonts.
- 300 x 300 DPI resolution.
- IBM mainframe and mini-computer models also available.

The following are registered trademarks of their respective companies: Centronics of Centronics Data Computer Corporation; Dataproducts of Dataproducts Corporation; DEC LN03 of Digital Equipment Corporation; HP LaserJet II of Hewlett-Packard Corporation; Tektronix 4014 of Tektronix, Inc.; POSTSCRIPT of Adobe Systems, Inc.; Diablo 630ECS of Xerox Corporation; Ethernet of Communication Machinery Corporation.

MESA TECHNOLOGY CORPORATION
9720 Patuxent Woods Dr.
Columbia, MD 21046
800/888-0567
An Electrocomponents Company

Zeta 936PS
8 Pens • 30 Ips Pen Velocity • LEDs • Controller Included
E-size plotter ideal for long-axis mapping and project management as well as single-sheet mechanical, electrical and architectural drawings. Highest resolution and accuracy.

Zeta 987
8 Pens • 30 Ips Pen Velocity • LEDs • Controller Included
Designed for IBM mainframe applications. Includes a built-in IBM-3270 protocol converter and coaxial interface. Produces bright colors and dense solid fills on paper or transparencies.

Zetadraf 900
8 Pens • 45 Ips Pen Velocity • LEDs • Controller Included
The Zetadraf 900 is a 36-inch plotter that utilizes 6g acceleration for high throughput. Features standard 512KB of expansion memory, plus 40K resident.

CalComp Inc.

1044GT
8 Pens • 24 Ips Pen Velocity • LEDs
Handles rolled paper sizes up to 36.7"x 120', and the maximum plotting length for using 120ft. rolled paper is 100 feet.

1076C
4 Pens • 50 Ips Pen Velocity • LEDs
Diagonally plots with velocities up to 70 ips. Handles rolled media of 36.7" x 120' with plotting area of 34" x 120'. Cut sheet plotting area 34x50 inches.

1077
4 Pens • 50 Ips Pen Velocity • LEDs
Diagonally plots with velocities of up to 70 ips. Handles rolled media of 36.7" x 120' with a plotting area of 34" x 120". Cut sheet plotting area is 34 x 50 inches.

Artisan Plus 1026
8 Pens • 30 Ips Pen Velocity • LEDs

Artisan Plus 1023
8 Pens • 30 Ips Pen Velocity • LEDs

Artisan Plus1025
8 Pens • 30 Ips Pen Velocity • LEDs
Feature CalComp's Plot Manager firmware and patented pen sensing capability, which senses the type of pen being used and automatically adjusts pen speed and force.

Houston Instrument

DMP-61DL
8 Pens • 45 Ips Pen Velocity • LEDs

DMP-62DL
8 Pens • 40 Ips Pen Velocity • LEDs
Feature built-in fonts and are available with an optional 1MB of memory.

Ioline Corporation

LP3500
1 Pen • 14 Ips Pen Velocity • LEDs
Employs unique PC and Macintosh computer screen "keypads" for controlling plotting setups from your computer.

LP3700
1 Pen • 14 Ips Pen Velocity • LEDs
The LP3700's continuously adjustable feature accepts bond, vellum and mylar film media, and a programmable keypad that stores users plot defaults in nonvolatile memory.

LP3700-MP
20 Pens • 14 Ips Pen Velocity • LEDs
An optional file server, PlotServer Plus ($895) is designed for Ioline's large-format pen plotters. Available in both 5 1/4" and 3 1/2" disk drives.

LP4000
1 Pen • 28 Ips Pen Velocity • LEDs
Optional passive Roll Feed system for LP4000 automatically advances paper for next plot. Optional 512K buffer holds up to 1MB compressed data.

LP4000-MP
20 Pens • 28 Ips Pen Velocity • LEDs
Optional 512K buffer, hyperBUFFER ($795) holds up to 1MB of compressed data. Also operates with an optional file server, Plotserver Plus ($895).

LP7200
1 Pen • 28 Ips Pen Velocity • LEDs
The 72-inch wide Ioline LP7200 pen plotter is designed for full-scale or large-scale plotting applications, such as pattern making and templates.

Numonics Corporation

5460
1 Pens • 7.7 Ips Pen Velocity • LEDs

5860
8 Pens • 7.7 Ips Pen Velocity
High-performance plotters that are compatible with most CAD systems. Equipped with Motorola 68000 and Zilog Super 8 microprocessors. High-performance CAD-compatible digitizers.

7191
8 Pens • 35 Ips Pen Velocity
High performance plotter that is compatible with most CAD systems. Equipped with Motorola 68000 and Zilog Super 8 microprocessors and features automatic paper sensing and soft pen handling.

OCE Graphics USA Inc.

G1824-C
8 Pens • 44 Ips Pen Velocity • Controller Included
Features plot buffering system that frees host computer from other use while plotting. Supports roller ball pens, fiber tip pens and liquid ink technical pens.

G1825-C
8 Pens • 44 Ips Pen Velocity • Controller Included
Same as G1824 except "E" size plotter.

G1834-CR
8 Pens • 55 Ips Pen Velocity • Controller Included
Same as G1835-CR except "D" size.

G1835-C
8 Pens • 55 Ips Pen Velocity • Controller Included
Same as G1835-CR except single sheet only.

G1835-CR
8 Pens • 55 Ips Pen Velocity • Controller Included
G1835-CR offers the fastest plotting speed of any pen plotter with options in memory and connectivity for high productivity environments.

G1835-SR-AC
8 Pens • 55 Ips Pen Velocity • Controller Included
G1845-AC auto cut and stack pen plotter offers a true solution to plot separation and retrieval.

G1845-AC
8 Pens • 55 Ips Pen Velocity • Controller Included
G1845-AC auto cut and stack pen plotter offers a true solution to plot separation and retrieval. Designed for high-volume networked usage.

Roland DG

DPX-2500
8 Ips Pen Velocity

DPX-3500
8 Pens
Flatbed plotters for A/D-size CAD drawings. Supports pens and pencils, and a wide variety of media. Pencils used for fast check plots.

DX4-1100
8 Ips Pen Velocity

DXY-1200
8 Pens

DXY-1300
8 Pens
Desktop plotters for A/B-size drawings. Supports 8-pens. Simple to use, fast and accurate, links to most computers. Perfect for business presentations and CAD.

GRX-400AR
8 Pens

GRX300AR
8 Pens
Rollerbed plotters for A/D-size CAD drawings. Supports 8-pens. Features 1MB buffers and replot capabilities, and easy-to-use LCD control panel.

Tektronix Inc.

HC100
4 Pens • 9 Ips Pen Velocity • LEDs

Thermal Transfer Printers

CalComp Inc.

903
Graphics Support • 1280x1024 dpi Resolution
Connects the printer to workstations with analog RGB output capability. Captures screen image in less than one second and frees the screen for the next image.

ColorMaster
Graphics Support • 200x203.2 dpi Resolution
Equipped with a built-in rasterizer. Offers fill options, including outlines, solid color areas, and dot cross-hatch patterns.

PlotMaster
Graphics Support • 200x203.2 dpi Resolution
Features a full three-plane buffer with enough vector capacity to accommodate the high data requirements of dense CAD drawings. PlotMaster emulates CalComp pen plotters.

Fargo Electronics Inc.

Prodigy
Graphics Support • 203x203 dpi Resolution
Ideal for retail and industrial label, ticket, or tag printing applications. Prints bar codes, fonts, and graphics using direct or thermal transfer printing methods.

Lasergraphics Inc.

Rascol III/cps
Graphics Support • 203x200 dpi Resolution • 8 Resident Fonts • 1 y Warranty
Color and black and white printing system equipped with rasterizing microcomputer and thermal transfer printer. Printing speed for black and white output is 30 seconds.

OCE Graphics USA Inc.

5232-Color PS
Postscript • Graphics Support • 300x300 dpi Resolution • 35 Resident Fonts • 1 y Warranty
Supports AppleTalk, Illustrator and Adobe. Optional 20MB or 80MB hard disks are available.

Oce Color G5241-PS
Postscript • Graphics Support • 300x300 dpi Resolution • 35 Resident Fonts • 1 y Warranty
True Adobe postscript controller. Pantone certified. 8.5x11 standard available imaging area.

QMS Inc.

QMS ColorScript 100 Model 10
Postscript • Graphics Support • 300x300 dpi Resolution • 35 Resident Fonts • 1 y Warranty
The Model 10 is a high resolution, thermal transfer Postscript printer, for under $10,000. It also prints transparencies. It's Pantone-certified for color matching.

QMS Colorgrafix 100
Graphics Support • 300x300 dpi Resolution • 48 Resident Fonts • 90 d Warranty
Model 65 is designed for CAD, CAE, and presentation graphics environments. Windows, CGI, AutoCAD, AutoShade, TIPS, TARGA, ANSI, CGM, IGES, CCITT Group 4, HPPCL, HP-GL supported.

QMS ColorScript 100 Model 20
Graphics Support • 300x300 dpi Resolution • 35 Resident Fonts • 90 d Warranty
The Model 20 is a high-resolution, thermal transfer Postscript printer. It also prints transparencies. It is Pantone-certified for color matching.

QMS ColorScript 100 Model 30
Postscript • Graphics Support • 300x300 dpi Resolution • 90 d Warranty
The Model 30 is a high resolution, thermal transfer Postscript printer for up to 11" x 17" output. It is Pantone-certified for color matching.

QMS Writer PM10
Postscript • Graphics Support • 300x300 dpi Resolution • 51 Resident Fonts • 90 d Warranty
Designed for OS/2 Presentation Manager, Windows and DOS printing applications. QMS Writer PM10 supports HP-GL, HPPCL and Postscript applications. Works with IBM PC AT, PS/2.

ROLAND DG

LTX 420
Graphics Support • 200 Dpi Resolution • 1 y Warranty

LTX120
Graphics Support • 200 Dpi Resolution • 1 y Warranty

LTX320
Graphics Support • 200 Dpi Resolution • 1 y Warranty
Thermal monochrome plotters for B/E-size CAD drawings. Silent, efficient, maintenance-free. Produces complex images quickly. Includes continuous paper roll and up to 8MB buffers.

SEIKO INSTRUMENTS

CH-5504
Graphics Support • 300x300 dpi Resolution

CH-5514
Graphics Support • 300x300 dpi Resolution
Feature a range of integrated video and parallel interface controller options that provide up to 10 configurations with various color, resolution, and pricing choices.

TOYO SPECTRUM CORPORATION

TPG-4300
Graphics Support • 300x300 dpi Resolution • 1 y Warranty
TPG-4300 outputs 300 dpi full color images on A or B size paper or transparency film from any CRT monitor with up to 1280x1024 dpi resolution.

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BPA MEDIA INTELLIGENCE

DATA ACQUISITION DEVICES

A/D CONVERSION

Model	# of Single Ended Channels	# of Differential Channels	Throughput Rate	Crosstalk Rejection (dbm)	MPU	Data Buffer Size (Bytes)	# of Single Ended Starters	# of Differential Starters	Input Impedance	Typical Diff. (CMRR)	Warranty	Price
Adac Corporation 617 935-6668												
1023AD	16	8	100 KHz	80					100 meg	70		
1032ADC	32	16		80					20 meg			
Analogic Corporation 508 977-3030												
Adam-846												
DASM-AD14		2	2000		Y	8M		1	1 meg	60	90 d	
Opto 22 714 891-5861												
PAMUX-AC6	512	512	40KHz	>120	Y	128	4	4	1 meg	65	2 y	$160
Sigma Information Systems 714 630-6553												
SID-ADV11	32	16		>80					100 meg		1 y	$1,200

D/A CONVERSION

Model	# of Channels	Analog Resolution (Bit)	Digital Input	Analog Accuracy	Analog Linearity	Output Impedance	Settling Time (us)	Output Drive (min)	Differential Linearity	Gain and Offset	Warranty	Price
Adac Corporation 617 935-6668												
1412DA	4	12				<.1ohms	5-50					
Tektronix Inc. 206 253-5019												
50M20		12									90 d	$910

It's time to start thinking about next year.

If you have new products or have to change existing ones, update your listings in the 1991 Buyers Guide by calling Lea Smith at (215) 957-4286.

A/D Conversion

Adac Corporation

1023AD
16 Single-Ended Channels • 8 Differential Channel

1032ADC
32 Single-Ended Channels • 16 Differential Channels
Plug into the host backplane to provide very high-speed, high-level analog-to-digital conversion.

Analogic Corporation

Adam-846

The Adam-846 uses a proprietary recirculating-flash architecture to achieve a 333KHz sampling rate, high accuracy and linearity. It also features a built-in sample and hold amplifier.

DASM-AD14
2 Differential Channels • 90 d Warranty
The DASM-AD14 is a SCSI-compatible intelligent 14-bit A-to-D subsystem. Runs on all DECstations.

Opto 22

PAMUX-AC6
512 Single-Ended Channels • 512 Differential Channels • MPU • 2 y Warranty
High-speed expandable I/O system for digital/analog applications. Works with DEC's DRV11-J device to provide up to 512 points of industrial I/O.

Sigma Information Systems

SID-ADV11
32 Single-Ended Channels • 16 Differential Channels • 1 y Warranty

D/A Conversion

Adac Corporation

1412DA
4 Channels
Plugs directly into the Q-bus backplane to provide digital-to-analog conversion functions, featuring scope control and a third-wire remote sense option.

Tektronix Inc.

50M20
90 d Warranty

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123-90DP

POWER DEVICES

POWER CONDITIONERS

Model	Phase	Input Voltage	Output Voltage	Maximum kVA	# of Total Amps	Dimensions (wxhxd)	Warranty	Price
Acme Electric Corporation/Safe Power 602 894-6864								
PLC-1000	S	95-130	120	1	8.3	10.7x10.9x17.6	1 y	$749
PLC-2000	S	95-130	120	2	16.7	10.7x10.9x17.6	1 y	$1,077
PLC-250	S	95-130	120	.25	2	6.3x8x11.4	1 y	$319
PLC-500	S	95-130	120	.5	4.2	7.5x9x13.61	1 y	$495
PLC-750	S	95-130	120	.75	6.3	7.5x10.6x15.6	1 y	$649
Computer Power Inc. 800 526-5088								
Utiline I	S	120/480	120/408	25		11x6x8	5 y	$148
Utiline II	S	120	120	6		12x11x7	5 y	$379
Controlled Power Company 800 521-4792								
Series 500	T	208/240/480	208/240/480	150			1 y	
Series 500D	S/T	208/240/480	208/240/480	50			1 y	
Series 600D	S/T	208/240/480	208/240/480	150			1 y	
Series 700	S/T	120/208/240	120/208/240	500			1 y	
Series 700D	S/T	208/240/480	120/240	45			1 y	
Series 800D	S	208/240/480	208/240/480	25			1 y	
Deltec Corporation 619 291-4211								
MPC Series	S			3			1 y	$525
SPC Series	S			15			1 y	$2,495
TPC Series	T	208	120/208	45		24x45x31	1 y	$7,295
Everest Electronic Equipment 404 279-2261								
MPD125A		90/135	90/135	1440	12	19x31/2x85/8		$325
MPD125B		180/270	180/270	1440	6	19x31/2x85/8	90 d	$410
MPD1510-R								$195
Isoreg Corporation 508 486-9483								
ISOREG Series	S/T	120/208/220	120/208/220	75K			1 y	
ISOSHIELD Series		120/208/220	120/208	300K			1 y	
ITT PowerSystems Corporation 602 889-7600								
VIP Power Conditioners	S	95/130	120	1.2	1.3-10	6.38x5.5x9.5	1 y	
MCG Electronics Inc. 516 586-5125								
290	S	120	120		12.5A	4.1x5.1x2.2	2 y	$84
293	S	120	120		12.5	4.1x5.1x2.2	2 y	$105
296	S	120	120		15A	3x2x18	2 y	$104
DLP-10/20/30		6/200	6/200			4.2x1.5	2 y	$58+
DLP-3.1		25	25			1.8x.6x2.1	2 y	$48
DLP-36		6/200	6/200			15x18x4	2 y	$880
DLP-4.2		6/200	6/200			4.2x1.50	2 y	$64
DLP-4.3	S	120	120		10A	3x2x18	2 y	$4,900
DLP-5.1		6	6			4.2x.63x1.1	2 y	$76
DLP-5.2		10	10			4.19x.63x1.9x	2 y	$104
DLP-50		6/200	6/200			19x10.5x19	2 y	$630
SPA	S	120/480	120/480			4x6x3.5	2 y	$361
SPB		120/480	120/480			8x8x4	2 y	$645
SPB-120Y	T	120	120			8x8x4	2 y	
SPC		120/480	120/480			8x8x4	2 y	$1,400

POWER CONDITIONERS

Model	Phase	Input Voltage	Output Voltage	Maximum kVA	# of Total Amps	Dimensions (wxhxd)	Warranty	Price
Shape Magnetronics Inc. 203 726-1411								
LineTamer	S/T	120/208/480	120/208/480	75			5 y	$165+
Sola Electric 708 439-2800								
EPC	S	120/208/480	120/208/480	15	125	29x15x24	1 y	$550
EPC Series	S	120/208/240	120/208/240	2K	16.67	8.5x8.75x12	1 y	$550
Hardwired EPC	S	120/240/480	120/240/480	15K	125	15x20x20	1 y	$3,189
Hardwired MCR		120/240/480	120/208/240	15K	125	16.44x9.08x10.56	5 y	$226
MCR		120	120	3K		16.8x11.38x10.62	5 y	$157
Square D Company 619 279-0831								
Escourt	S	120/208/480	120/208/240	2			1 y	$160
Line 2	S	220/230/240	220/230/240	15		20x29x16	1 y	$3,500+
Line 2 (P3)	S	220/230/240	220/230/240	3		6.5x6.3x13.5	1 y	$635+
Superior Electric 203 582-9561								
STABILINE BCR1205V	S	208/220/230	115/208/220	5	42	16x29.2x14.25	1 y	$3,386
STABILINE BCR3103V	S	115	115/208/240	3	26	26x13.94x14	1 y	$2,612
STABILINE BCR3203V	S	208/220/230	115/208/220	3	26	26x13.94x14	1 y	$2,773
STABILINE CR7105PDV	S	120	120	.5	4.17	8.5x7.5x16	1 y	$461
STABILINE CR7110PDV	S	120	120	1	8.33	9.5x8.5x16	1 y	$719
STABILINE CR7120PDV	S	120	120	2	16.7	10.5x10x19	1 y	$1,226
STABILINE PPC 150	S	95-132	120	.150	1.25	6.75x5.75x10.62	1 y	$154
STABILINE PPC 300	S	95-132	120	.300	2.5	6.75x5.75x10.62	1 y	$207
STABILINE PPC 450	S	95-132	120	.450	3.75	8.37x6.87x12.25	1 y	$270
STABILINE PPC 600	S	95-132	120	.600	5	8.37x6.87x12.25	1 y	$313
STABILINE WHC Series	S/T	208/380/480	120/208/240	125	278		1 y	$5,790+
STIBILINE CR7120P6DV	S	120	120	2	16.7	10.5x10x19	1 y	$1,226
Transtector Systems Inc. 800 829-2901								
ACP 3000-120W	T	120/208		360	1000	20x16x6		
ACP 3900-120W	T	120/208		360	1000	20x16x6		
ACP 5000-120W	T	120/208		700	2000	24x30x8		
SA 3900-120W	T	120/208		36	100	30x24x8		

POWER DISTRIBUTION CONTROLLERS

Model	Hertz	Full Load (VA)	Input Voltage	# of Outlets	Phase	Input Connectors (NEMA)	Circuit Breaker	Filter EMI/RFI	Output Connectors (NEMA)	Power Cable	Warranty	Price
Controlled Power Company 800 521-4792												
Series 7000	60	225K	208/480	126	T	Y	Y	Y	Y	Y	1 y	
Eltec Inc. 714 241-1331												
Topaz VRS		15K	208/480		T							$5,137
Everest Electronic Equipment 404 279-2261												
MPD861-C	50-60	28.8K	120	12	S	L5-30P	Y	Y	5-15R	Y	1 y	$535
MPD872-D	50-60	28.8K	120	10	S	L5-30P	Y	Y	5-15R	Y	1 y	$425
MPD874-D	50-60	28.8K	120	8	S	L5-30P	Y	Y	5-20R	Y	1 y	$585

POWER DISTRIBUTION CONTROLLERS

Model	Hertz	Full Load (VA)	Input Voltage	# of Outlets	Phase	Input Connectors (NEMA)	Circuit Breaker	Filter EMI/RFI	Output Connectors (NEMA)	Power Cable	Warranty	Price
International Power Machines Corporation 214 272-8000												
PDU	60		208/480	252	T		Y			Y	1 y	
Isoreg Corporation 508 486-9483												
GuardsMan												
Marway Products Inc. 714 973-1800												
MPC 871A	50/60	1440	120	5	S	5-15P	Y	Y/N	5-15R	Y	1 y	
MPC 871B	50/60	2880	240	6	S	6-15P	Y	Y/N	6-15R	Y	1 y	
MPC 872C	50/60	3840	240	10	S	L6-20P	Y	Y/N	6-20R	Y	1 y	
MPC 872D	50/60	2880	120	10	S	L5-30P	Y	Y/N	5-20R	Y	1 y	
MPC 872E	50/60	3840	120/240	10	S/T	L14-20P	Y	Y/N	5-15R	Y	1 y	
MPC 874A	50/60	3880	120/240	8	S/T	L14-20P	Y	Y/N	5-15R	Y	1 y	
MPC 874B	50/60	3840	240	8	S	L6-20P	Y	Y/N	6-20R	Y	1 y	
MPC 874D	50/60	2880	120	8	S	L5-30P	Y	Y/N	5-20R	Y	1 y	
MPC 874E	50/60	5760	240	8	S	L6-30P	Y	Y/N	6-20R	Y	1 y	
MPC 877B	50/60	2880	120/240	6	S	6-15P	Y	Y/N	6-15R	Y	1 y	
MPC 877D	50/60	2880	120	6	S	L5-30P	Y	Y/N	5-20R	Y	1 y	
MPC 877E	50/60	5760	240	6	S	L6-30P	Y	Y/N	6-20R	Y	1 y	
MPD 861A	50/60	3840	120/240	12	S/T	L14-30P	Y	Y/N	5-20R	Y	1 y	
MPD 861B	50/60	3840	240	12	S	L6-20P	Y	Y/N	6-20R	Y	1 y	
MPD 861C	50/60	3840	120	12	S	L5-30P	Y	Y/N	5-20R	Y	1 y	
Power Techniques Inc. 714 241-3894												
PT-1000	60	20A	120	10	S	5-15P	Y	Y	5-15R	Y	18 mo	$339
PT-2000	60	30A	120	10	S	L5-30P	Y	Y	5-30R	Y	18 mo	$433
PT-500	60	15A	120	8/10	S	5-15R	Y	Y	5-15R	Y	18 mo	$208
PT-8740	60	30A	120	10	S	L5-30P	Y	Y	5-20R	Y	18 mo	$503
Pulizzi Engineering Inc. 714 540-4229												
PC 300-C	50/60	8640	120/208	14	T	L21-30P	Y	Y/Y	5-15	Y	1 y	$1,181
PC115-A	47/63	1440	90/135	12	S	5-15P	Y	Y	5-15R	Y	1 y	$267
PC125-A	47/63	1440	90/135	10	S	5-15P	Y	Y	5-15R	Y	1 y	$305
PC125-B	47/63	2880	180/270	10	S		Y	Y	6-15R	Y	1 y	$360
PC125-C	47/63	2880	90/135	10	S	L5-30P	Y	Y	5-15R	Y	1 y	$433
PC125-F	47/63	5760	180/270	10	S		Y	Y	6-15R	Y	1 y	$432
PC861-A	47/63	1440	90/135	12	S	5-15P	Y	Y	5-15R	Y	1 y	$378
PC861-C	47/63	2880	90/135	12	S	L5-30P	Y	Y/Y	5-15R	Y	1 y	$542
PC874-A	47/63	1440	90/135	10	S	5-15P	Y	Y	5-15R	Y	1 y	$343
PC874-C	47/63	2880	90/135	10	S	L5-30P	Y	Y	5-15R	Y	1 y	$508
PC874-F	47/63	5760	180/270	10	S		Y	Y	6-15R	Y	1 y	$506
TPC 981-C	47/63	2880	90/135	12	S	L5-30P	Y	Y/Y	5-15R	Y	1 y	$328
TPC115-10A/MTD	47/63	1440	90/132	10	S	5-15P	Y	Y	5-15R	Y	1 y	$436
TPC115-10F/MTD	47/63	5760	189/264	10	S		Y	Y	6-15R	Y	1 y	$517
TPC115-8-A	47/63	1440	90/135	8	S	5-15P	Y	Y	5-15R	Y	1 y	$180
Sigma Information Systems 714 630-6553												
SA-H156	47/63	1.9K	128/256	5	S		Y	Y		Y	1 y	$206

UPS SYSTEMS

Model	Phase	Output Power Ratings (VA)	Input Voltage	Output Efficiency	Total Harmonic Distortion	Output Voltage	Input Frequency (Hz)	Output Frequency (Hz)	Dimensions (wxhxd)	Output Overload	MTBF (hrs)	Price
Abacus Controls Inc. 201 526-6010												
514-3	S	10K	240	85%	2%	240	50	50	22x51x30	150%	43.3K	$11,800
514-4	S	10K	240	85%	2%	240	60	60	22x51x30	150%	43.3K	$11,800
533-3	S	3K	220	85%	2%	220	50	50	19x8.75x20	150%	43.3K	$4,350
533-4	S	3K	120	85%	2%	120	60	60	19x8.75x20	150%	43.3K	$4,350
933-3	S	3K	220	85%	2%	220	50	50	15.2x31.25x22.2	150%	43.3K	$4,700
933-4	S	3K	120	85%	2%	120	50/60	50/60	15.2x31.25x22.2	150%	43.3K	$4,700
953-3	S	5K	220	85%	2%	220	50	50	18.1x42x25.7	150%	43.3K	$6,100
953-4	S	5K	240	85%	2%	240	60	60	18.1x42x25.7	150%	43.3K	$6,100
Acme Electric Corporation/Safe Power 602 894-6864												
UPS 1000	S	1K	120	80%	<3%	120	50/60	50/60	7.09x14.72x18.5	150%	100K	$2,995
UPS 2000	S	2K	120	80%	<3%	120	50/60	50/60	9.8x22.8x23.6	150%	100K	$4,495
UPS 3000	S	3K	120	80%	<3%	120	50/60	50/60	11.6x27.6x27.6	150%	100K	$6,495
UPS 5000	S	5K	120	80%	<3%	120	50/60	50/60	15.0x29.5x27.6	150%	100K	$9,995
Atlas Energy Systems 714 863-0900												
Ultrapower Rotary 650	S/T	30K	208-480	90%	3%	120/208	60	60	40x48x30	125%	100K	$9,000+
Beaver Electronic Laboratory Inc. 617 585-5666												
BBU-912	S	.1K	115/230			5VDC/20A	60		19.5.25x19			$1,595
CT-UPS-2708A	S	27	120	85%		5VDC/3A	60		19x8.75x7			$1,135
Clary Corporation 818 287-6111												
5k-1A-SBS	S	5K	115			115	60	60	25.5x53.5x26			
7.5k-1A-SBS	S	7.5K	115/230			115/230	60	60	55x72x27			
ONGUARD 1.2kVA	S	1.2K	120/220	83%	<5%	120/220	50/60	50/60	9.5x16.5x28.5			$3,750
ONGUARD 1.5kVA	S	1.5K	120/220	83%	<5%	120/220	50/60	50/60	9.5x16.5x28.5			$4,350
ONGUARD 1kVA	S	1K	120/220	83%	<5%	120/220	50/60	50/60	9.5x16.5x28.5			$3,450
ONGUARD 2.5kVA	S	2.5K	120			120	50/60	50/60	9.5x18.5x28.5			$6,090
ONGUARD 2kVA	S	2K	120/220	83%	<5%	120/220	50/60	50/60	9.5x18.5x28.5			$5,590
ONGUARD 3.75kVA	S	3.75K	120/220	83%	<5%	120/220	50/60	50/60	9.5x18.5x28.5			$7,050
ONGUARD 3kVA	S	3K	120/220	83%	<5%	120	50/60	50/60	9.5x18.5x28.5			$6,550
ONGUARD 800VA	S	800	120/220	83%	<5%	120	50/60	50/60	9.5x16.5x28.5			$2,990
ONGUARD PC-1.25K	S	1.25K	120	85%		120	60	60	5.9x9.8x19.7			$2,390
ONGUARD PC-1240	S	400	120	85%	<5%	120	50/60	50/60	15.8x1.9x15			$950
ONGUARD PC-2400	S	800	120	85%	<5%	120	50/60	50/60	5.9x9.8x15.7			$1,590
ONGUARD SL-400	S	400	120	85%	<5%	120	50/60	50/60	17.7x3.15x15.7			$1,290
ONGUARD SL-800	S	800	120	85%	<5%	120	50/60	50/60	17.7x3.15x15.7			$1,690
Computer Power Inc. 800 526-5088												
ComputerSave Mark II	S	16.6K	120	90%	5%	120	60	60	12.5x12.5x21	150%	80K	$1,250
Defender Long Run Se	S	1K	120	97%	5%	120	60	60	6.5x13x13	150%		$572
Defender Series	S	1.5K	120	98%	5%	120	60	60	8x17x21	150%		$572
HI-REL	S	10K	120	75%	5%	120	60	60	42x60.5x12	130%	80K	$4,254
Pulsector	S	3-10K	120	80%	3%	120	60	60	42x50x19	130%	80K	$6,870
TriMax II	T	300K	120/208	82-89%	3%	120/208	60	60	32x56x32.5	125%	100K	$28,325
Controlled Power Company 800 521-4792												
Series 1000	S	2-25K	120-240	95%		120/240	60	60	21.5x30x34	120%		$3,900+
Series 1000D	S	24K	120-240	95%	5%	120/240	60	60	21.5x30x34	125%		$13,000
Cuesta Systems Corp. 805 541-4160												
DataSaver 200		250	120			102/132	60	60	6x4x9			$495

UPS SYSTEMS

Model	Phase	Output Power Ratings (VA)	Input Voltage	Output Efficiency	Total Harmonic Distortion	Output Voltage	Input Frequency (Hz)	Output Frequency (Hz)	Dimensions (wxhxd)	Output Overload	MTBF (hrs)	Price
Cuesta Systems Corp. 805 541-4150 (continued)												
DataSaver 400		500	120			102-132	60	60	13x2x13			$695
DataSaver 600		750	120			102-132	60	60	15x2.3x17.75			$985
DataSaver 90		110	120			102-132	60	60	6x4x9			$350
DataShield 408 439-6600												
SS400	S	.4K	120	80%	5%	120	60	60	18x3x17	300%	20K	$1,025
SS700	S	.7K	120	80%	5%	120	60	60	18x3x17	300%	20K	$1,250
Deltec Corporation 619 291-4211												
2000 Series	S	2-5K	120/208	89%	<5%	120/208	60	60	11.5x24x28	150%		$3,690+
7000 Series	S	5-10K	120/208	85%	<5%	120/208	60	60	24x45x31	150%		$9,090+
8000 Series	T	10-25K	208/480	95%	5%	208/480	60	60	24.7x45.1x31.9	300%		$21,990
9000 Series	T	37-56K	120/208,277	95%	5%	120/208	60	60	32x55x32	300%		
Watchman II Series	S	525-1050	120	85%	5%	120	60	60	15.7x2.7x16	150%		$825
Elgar Corporation 800 73-ELGAR												
502-1T	S	5K	120/208/240	78%	5%	120/208	50/60	50/60	24x40x30	125%	25K	$9,995
IPS 1100	S	1.1K	120/220/240	98%	5%	120/220	50/60	50/60	17x15x11	150%	90K	$1,295
IPS 1600	S	1.6K	120/220/240	98%	5%	120/220	50/60	50/60	17x15x11	150%	90K	$1,875
IPS 400+600	S	400	120	98%	5%	120	60	60	2.3x16x16.5		90K	$799
IPS 560	S	560	120/220/240	98%	5%	120/220	50/60	50/60	14x17x9	150%	90K	$995
Eltec Inc. 714 241-1331												
Deltec	S/T	5K	120-480									$5,690
Emerson Computer Power 714 545-5581												
ACCUPOWER	S	1400	120	100%		120	60	60				$199
AP100	S	3K	120/240	80%	5%	120/240	60	60	27.8x15x22.2	120%	75K	$5,550
AP115	S		120	80%	5%	120	60	60	27.8x15x22.2	120%	75K	$3,800
AP166	S	5K	208/240	80%	5%	120/240	60	60		150%	250K	$7,600
AP176	S	5K	208/240	80%	5%	120/240	60	60		150%	250K	$12,500
AP320	T	15K	208/480	82%	5%	208/480	60	60	36x72x26	150%	20K	$20,000+
AP340	T	30K	208/480	85%	5%	208/480	60	60	36x72x26	150%	20K	$24,000+
AP355	T	50K	208/480	87%	5%	208/480	60	60	62x72x28	150%	20K	$33,000+
AP365	T	75K	208/480	88%	5%	208/480	60	60	62x72x28	150%	20K	$40,000+
Micro UPS	S	1400	120	100%		120	60	60				$199+
SW1000	S	1K	120			120	60	60	2.3X17X18.3			$698
Exide Electronics 919 872-3020												
10-6	S	6K	220-240	83%		220-240	50	50				
10-8	S	8K	220-240	83%		220-240	50	50				
Powerware Series 2000	S	1.5K-2K	120/220		5%	120/220	50/60	50/60	33x43x35	117%		
Powerware Series 500	S	350-500	120			117	50/60	50/60	4x13.6x8.5			
Powerware Plus 5	S	3.6K/6K	100/200	80%	<5%	100/200	50/60	50/60	15.5x34x32			
Powerware System 150	T	100K	400/480	91%	5%	400/480	50/60	50/60	50x73.5x31.5			
Powerware System 10	S	10K	208/240	90%	4%	220/240	50/60	50/60	33x43x35	125%		
Powerware System 10-6	S	6K	208/240	83%		120-240	60	60	33x43x35	125%		
Powerware System 10-8	S	8K	208/240	87%	4%	220-240	50/60	50/60	33x43x35	125%		
Powerware System 20-10	T	10K	208/120	88%	4%	208/120	60/50	60/50	33x43x35	125%		
Powerware System 20-15	T	15K	208/120	89%	4%	208/120	50/60	50/60	33x43x35	150%		
Powerware System 20-20	T	20K	208/120	89%	4%	120	50/60	50/60	33x43x35	125%		
Powerware System 375	T	180k/225k	400/480	93%	3%	400/480	50/60	50/60	126.1x73.5x35.4			
Powerware system 50	T	20k/30k	208/240	86-90%	4%	208/480	50/60	50/60	28x51x40			
Powerware System 80	T	62k/80k	400/480	91%	5%	400/480	50/60	50/60	38x73.5x31.5			

UPS SYSTEMS

Model	Phase	Output Power Ratings (VA)	Input Voltage	Output Efficiency	Total Harmonic Distortion	Output Voltage	Input Frequency (Hz)	Output Frequency (Hz)	Dimensions (wxhxd)	Output Overload	MTBF (hrs)	Price
General Power Corporation 714 956-9321												
S-120		120K	208/480	92%	3%	208/480	60	60	49.2x67x26.5	1000%	>100K	
S-160		160K	208/480	92%	3%	208/480	60	60	49.2x75x33.5	1000%	>100K	
S-220		220K	208/480	93%	3%	208/480	60	60	84.6x75x33.5	1000%	>100K	
S-330		330K	208/480	93%	3%	208/480	60	60	84.6x75x33.5	1000%	>100K	
S-40		40K	208/480	90%	3%	208/480	60	60	37.4x67x26.5	1000%	>100K	
S-500		500K	208/480	94%	3%	208/480	60	60	108.3x75x41.3	1000%	>100K	
S-60		60K	208/480	91%	3%	208/480	60	60	37.4x67x26.5	1000%	>100K	
S-80		80K	208/480	91%	3%	208/480	60	60	49.2x67x26.5	1000%	>100K	
U1000	S	1K	120/220	84%	3%	120/220	60	60	19x20.5x8.27	1000%	>100K	$2,800
U10000	S	10K	120/220	86%	3%	120/220	60	60	37x18x32	1000%	>100K	$14,000
U3000	S	3K	120/220	85%	3%	120/220	60	60	22x25x22	1000%	>100K	$5,800
U5000	S	5K	120/220	86%	3%	120/220	60	60	30x15x31	1000%	>100K	$8,900
V-12	T	12.5	208/380	85%	3%	208/380	60	60	22.25x31.5x62	150%	>100K	$25,500
V-18	T	18.75	208/480	87%	3%	208/480	60	60	227.3x31.5x70.5	1000%	>100K	$28,900
V-30	T	30K	208/480	89%	3%	208/480	60	60	27.2x31.5x70.5	1000%	>100K	$36,000
Gotec U.K. LTD. 061 446-2171												
DataPower 3 Phase	S	150K	120/480	95%	4%	120/480	50/60	50/60		250	50K	
DataPower Single Pha	S	2K	120/240	>90%	4%	120/240	50/60	50/60		150	>50K	
HDR Power Systems Inc. 614 771-5500												
HDR 1300	T	5K	208									$11,000
HDR 1400-10	S	10K	120/240	93%		120/240	60	60	26x62x36	20%	100K	
HDR 1400-15	S	15K	120/240	93%	5%	120/240	60	60	26x62x36	20%	100K	
HDR 1400-5	S	5K	120-240	93%	5%	120/240	60	60	26x62x36			
HDR 1400-7.5	S	7.5K	120/240	93%		120/240	60	60	26x62x36	20%	100K	
HDR 3100	T	10K	120/208	80%	5%	120/208	60	60	56x79x33.58	20%	100K	$21,500
Hitron Corporation 201 782-5525												
BA0279-00-03	S	10K	480	85%	5%	120	60	60	46x68x30	125%	40K	$19,485
BA0280-00-03	S	15K	480	85%	5%	120	60	60	46x68x30	125%	40K	$24,350
BA0281-00-03	S	20K	480	85%	5%	120	60	60	46x68x30	125%	40K	$29,070
ICS Inc. 708 543-6200												
ELECTRO-PAC/10	S	10K	120/480	85%	>5%	120/240	60	60	75x54x30	150%	50K	$16,950
ELECTRO-PAC/15	S	15K	208/480	85%	>5%	120/240	60	60	75x66x30	150%	50K	$24,000
ELECTRO-PAC/2.0	S	2K	120/480	85%	>5%	120/240	60	60	51x36x18	150%	50K	$7,500
ELECTRO-PAC/20	S	20K	208/480	85%	>5%	120/240	60	60	75x72x30	150%	50K	$24,975
ELECTRO-PAC/3.0	S	3K	120/480	85%	>5%	120/240	60	60	51x27x30	150%	50K	$8,695
ELECTRO-PAC/5.0	S	5K	120/480	85%	>5%	120/240	60	60	75x36x30	150%	50K	$12,500
ELECTRO-PAC/7.5	S	7.5K	208/480	85%	>5%	120/240	60	60	75x42x30	150%	50K	$14,900
LIFELINE-200	S	200	120	90%	5%	120	60	60	20x16x6.5	140%		$1,235
LIFELINE-600	S	600	120	90%	5%	120	60	60	24x20x11.5	140%		$1,695
SB 1000	S	1K	120			117	60	60	11.75x8.6x14.6			$1,045
SB 1400	S	1.4K	120			117			11.75x8.6x14.6			$1,045
SB 450SL	S	450	120			117	60	60	3.2x17.1x13.5			$549
SB 850SL	S	850	120			117	60	60	3.2x17.1x13.5	15%		$749
SPD-1000	S	1K	120	80%	3%	120	60/50	60/50	7.09x18.5x14.72	150%	300K	$2,200
SPD-3000	S	3K	208/240	90%	3%	208/120	60/50	60/50	11.6x27.6x27.6	150%		$5,900

UPS SYSTEMS

Model	Phase	Output Power Ratings (VA)	Input Voltage	Output Efficiency	Total Harmonic Distortion	Output Voltage	Input Frequency (Hz)	Output Frequency (Hz)	Dimensions (wxhxd)	Output Overload	MTBF (hrs)	Price
International Power Machines Corporation 214 272-8000												
BP+100	3	100K	208/600	90.2%	5%	208/600	50/60	50/60	38.5x72x31.5	125%		
BP+125	3	125K	208/600	91.2%	5%	208/600	50/60	50/60	50.8x72x31.5	125%		
BP+150	3	150K	208/600	91.2%	5%	208/600	50/60	50/60	50.8x72x31.5	125%		
BP+20	3	20K	208/600	89.2%	5%	208/600	50/60	50/60	38.5x72x31.5	125%		
BP+30	3	30K	208/600	89.2%	5%	208/600	50/60	50/60	38.5x72x31.5	125%		
BP+50	3	50K	208/600	90.2%	5%	208/600	50/60	50/60	38.5x72x31.5	125%		
BP+75	3	75K	208/600	90.2%	5%	208/600	50/60	50/60	38.5x72x31.5	125%		
DP100	T	100K	208/480	85%	5%	208/480	50/60	50/60	70x78x35	105%		
DP125	T	125K	208/480	87%	5%	208/480	50/60	50/60	110x78x35	105%		
DP150	T	150K	208/480	87%	5%	208/480	50/60	50/60	110x78x35	105%		
DP20	T	20K	208/480	78%	5%	208/480	50/60	50/60	70x78x35	105%		
DP225	T	225K	208/480	90%	5%	208/480	50/60	50/60	110x78x35	105%		
DP25	T	25K	208/480	80%	5%	208/480	50/60	50/60	70x78x35	105%		
DP300	T	300K	208/480	91%	5%	208/480	50/60	50/60	110x78x35	105%		
DP38	T	38K	208/480	81%	5%	208/480	50/60	50/60	70x78x35	105%		
Isoreg Corporation 508 486-9483												
ISOGUARD	S	6.25K	120/208/240	90%	3%	120/208	60/50	60	21x30x25	125%		
ITT PowerSystems Corporation 602 889-7600												
VIP 3000 Series	T	56.25K	332/477	90%	<5%	380/415	47/53	50	32.0x55x32	125%	2	$23,999+
VIP Executive Desktop	S	400/1250	96/132		<5%	120	57/63	60	16x1.9x15.2			$549+
VIP Executive Tower	S	1K-3K	96/132		<4%	120	47/63	60	9.5x18.25x27.5	110%		$3,599+
VP 1000 Series	S	10K	240/480		<5%	280/240	63	60	23.7x45x32.4	110%	2	$9,599+
Liebert Corp. 800 950-0099												
Series 100	S	10K	208/240		5%	240/120	60	60		175%		
Series 300	T	75K	208/480		5%	208/480	60	60		125%		
Lortec Power Systems Inc. 216 327-5050												
Standby	S	300/1200	120			120						$500+
UPS Single Phase	S	2-5K	120/208			120/208						$4,995+
UPS Three Phase	T	80K	208/480			208/480						$17,500+
Panamax 800 472-5555												
N-S PowerMax Desktop	S	800	120	>85%	5%	120	60	60	14.2x3.2x17.7	200%	30K	$999
N-S PowerMax Pro	S	800	120	>85%	5%	120	60	60	10x7.5x17.7	200%	30K	$999
N-S PowerMax Server	S	1200	120	>85%	5%	120	60	60	10x7.5x17.7	200%	30K	$1,299
Precise Power Corporation 813 746-3515												
15-60	T	15K	208/240/480	81%	3%	208/240	59-62	60	70x39x34	125%	90K	$19,950
35-60	T	35K	208/240/480	84%	3%	208/480	59-62	60	70x39x34	125%	90K	$29,950
PTI Industries 408 439-6600												
SS700	S	.7K	120				60	60	18x3x17			$1,250
Sola Electric 708 439-2800												
1.5 Electronic	1	1.5-3K	120/208/240	84%	6%	120/208	60	60	19x9x26	125%	30K	$4,435
Electronic 87 UPS	1	5-10K	120/240/480	85%	5%	120/240	60	60	32x25x46	110%		$9,640
Interact 57 Series	3	10-25K	120/208	95%	5%	120/208	60	60	38x25x46	115%		$21,800
Mini-UPS/2		.5-1K	120	85%	2%	120	60	60	16x8.5x18.5	110%	40K	$1,885
PWM-UPS	S	3K	120	84%	5%	120/208	60	60	24x28x25	125%		$6,560
Solidstate Controls Inc. 614 846-7500												
PB4100-1	T	10K	208	81%	5%	120	60	60	28x58x30	125%	236K	$12,797
PB4100-3	T	10K	208	83%	5%	120/208	60	60	28x55x30	125%	236K	$18,948

UPS SYSTEMS

Model	Phase	Output Power Ratings (VA)	Input Voltage	Output Efficiency	Total Harmonic Distortion	Output Voltage	Input Frequency (Hz)	Output Frequency (Hz)	Dimensions (wxhxd)	Output Overload	MTBF (hrs)	Price
Solidstate Controls Inc. 614 846-7500												
PB4150-3	T	15K	208	83%	5%	120/208	60	60	36x63x32	125%	236K	$26,260
PB4200-3	T	20K	208	83%	5%	120/208	60	60	36x63x32	125%	236K	$31,648
PB5030-4	T	30K	208/120	85%	5%	480	60	60	63x77x32	125%	236K	$35,153
PB5050-4	T	50K	208/120	87%	5%	480/277	60	60	63x77x32	125%	236K	$37,976
PB5075-4	T	75K	480/277	90%	5%	480/277	60	60	83x77x32	125%	236K	$53,200
Solidstate Controls Inc. 614 846-7500												
PB5100-4	T	100K	480/277	90%	5%	480/277	60	60	83x77x32	125%	236K	$53,200
PB5150-4	T	150K	480/277	90%	5%	480/277	60	60	91x77x32	125%	236K	$71,023
PowerBase 1103-3S	S	3K	120	75%	5%	120	60	60	17x45x22	130%	236K	$7,748
PowerBase 1103-6S	S	3K	120	75%	5%	120	60	60	17x60x22	130%	236K	$8,286
PowerBase 1103-S	S	3K	120	75%	5%	120	60	60	17x30x22	130%	236K	$6,528
SS 1000	S	1K	120	<70%	<3%	120	60	60	8x18x20	150%	236K	$2,195
SS 3000	S	3K	120	<80%	<3%	120	60	60	10x27x25	150%	236K	$4,995
SS 5000	S	5K	120	<83%	<3%	120	60	60	10x27x25	150%	236K	$8,295
Square D Company 619 279-0831												
BP+15	3	15K	208/600	89.2%	5%	208/600	50/60		38.5x72x31.5x	125%		
Square D Company 619 279-0831 (continued)												
PowerMaker E/S	S/T	5-25K	120/240	84%	4%	120/240	60	60	27.5x52x30	125%		$27,220
PowerMaker Micro UPS	S	.4-1.3K	120		7%	120	60	60	7x15x18		80K	$835+
PowerMaker Mini	S	10K	120/208/240	81%	5%	120/208	50/60	50/60	19x36x30	200%		$6,450+
PowerMaker UPS		2.5K	120/220/240	93%	2%	120/220	50/60	50/60	8.5x18x19	150%	80K	$2,890
ULTRA-ISOLATOR	S/T	to 130K	120/240	95%	1%	120/240	50/60	50/60		200%		$12,510
Summus Computer Systems 713 492-6611												
Tosnic	S/T	.5 K	120/220	88%	3%	120/220	60	60	10x25x30	120%	18K	$3,599
Superior Electric 203 582-9561												
STABILINE UPSY 52004-2	S	400	220	75%	8%	220	50	50	6.7x10.4x16.2	125%	100K	$1,595
STABILINE UPSY520082	S	800	176/242	75%	8%	220	50	50	5.9x15.75x16.2	125%	100K	$1,995
STABILINE UPSY52012-2	S	1250	176/242	80%	80%	220	50	50	6.3x15.75x20.5	125%	100K	$2,995
STABILINE UPSY61004	S	400	96/132	80%	5%	120	60	60	5.9x9.85x15.75	125%	100K	$1,150
STABILINE UPSY61004L	S	800	96/132	80%	5%	120	60	60	5.9x9.85x15.75	125%	100K	$1,295
STABILINE UPSY61008	S	800	96/132	80%	5%	120	60	60	5.9x9.85x15.75	152%	100K	$1,695
STABILINE UPSY61012	S	1250	96/132	85%	5%	120	60	60	6.3x9.85x19.7	125%	100K	$2,695
Sutton Designs Inc. 607 277-4301												
F Series	S	.35K	120/240		5%	120/240	60		12x10x20		200K	$895
FD 1.15KVA	S	1.15K	120/220	90%	5%	120/220	60	60	15.04x15.01x20.04		200K	$1,695
FD 1.4KVA	S	1.4	120/220	90%	5%	120/220	60	60	15.04x15.01x20.04		200K	$1,895
FD 1.8KVA	S	1.8K	120/220	90%	5%	120/220	60	60	15.25x21.13x22.87		200K	$2,685
FD 10KVA	S	10K	208/220	91%	5%	208/220	60	60	18.88x36.5x32		200K	$8,925
FD 12.5KVA	S	12.5K	208/220	91%	5%	208/220	60	60	18.88x36.5x32		200K	$10,375
FD 18KVA	S	18k	208/220	92%	5%	208/220	60	60	18.88x38.5x32		200K	$12,745
FD 2.1KVA	S	2.1K	120/208	90%	5%	120/208	60	60	15.25x21.12x22.88		200K	$2,995
FD 3.1KVA	S	3/1K	120/208	90%	5%	120/205	60	60	15.25x21.12x22.88		200K	$3,695
FD 4.3KVA	S	4.3K	120/205	90%	5%	120/205	60	60	15.75x30.75x25.25		200K	$4,495
FD 500VA	S	500	120/220		5%	120/220	60		10x12x21.25		200K	$895
FD 700VA	S	700	120/220		5%	120/220	60		10x12x21.25		200K	$995
FD 7KVA	S	7K	208/220	90%	5%	208/220	60	60	15.75x30.75x25.25		200K	$6,395
FD 850VA	S	850	120/220	85%	5%	120/220	60	60	10x12x21.25		200K	$1,195

UPS SYSTEMS

Model	Phase	Output Power Ratings (VA)	Input Voltage	Output Efficiency	Total Harmonic Distortion	Output Voltage	Input Frequency (Hz)	Output Frequency (Hz)	Dimensions (wxhxd)	Output Overload	MTBF (hrs)	Price
Transtector Systems Inc. 800 829-2901												
UP2S 1000	S	1K	120		2%	120	60	60	10.5x24.25x28	150%		
VITEQ Corporation 301 731-0400												
15A	S	1.5K	90-140	75%	5%	120	60	60	9x10x21.5	1000%	40K	$3,195
386/LAN	S	750	90-140	75%	5%	120	60	60	8x11.5x19.5	1000%	48K	$1,895
MINI/GP	S/D/S	3K	120/208/240	75%	<5%	120/208	60	60	13x20x21	1000%	30K	$6,950
Viteq Mini												

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BGHHO990

Power Conditioners

Acme Electric Corporation/Safe Power

PLC-1000
95-130 Input Voltage * 120 Output Voltage * 1 y Warranty

PLC-2000
95-130 Input Voltage • 120 Output Voltage • 1 y Warranty

PLC-250
95-130 Input Voltage • 120 Output Voltage • 1 y Warranty

PLC-500
95-130 Input Voltage • 120 Output Voltage • 1 y Warranty

PLC-750
95-130 Input Voltage • 120 Output Voltage • 1 y Warranty
Safe Power's regulating line conditioners are designed to protect against voltage disturbances, noise spikes, transients, and brown-outs.

Computer Power Inc.

Utiline I
120/480 Input Voltage • 120/408 Output Voltage • 5 y Warranty

Utiline II
120 Input Voltage • 120 Output Voltage • 5 y Warranty
Feature an AC line conditioner/isolator regulator for lightening protection.

Controlled Power Company

Series 500
208/240/480 Input Voltage • 208/240/480 Output Voltage • 1 y Warranty

Series 500D
208/240/480 Input Voltage • 208/240/480 Output Voltage • 1 y Warranty
The 500 and 500D models are utilized where simple regulation, rather than isolation, of the line voltage is required. The 500D features exchangeable receptacle panels for easy computer room installations.

Series 600D
208/240/480 Input Voltage • 208/240/480 Output Voltage • 1 y Warranty
The 600D protects sensitive electronic equipment against transients and noise with the added installation advantage of exchangeable output receptacle panels and distribution cables.

Series 700
120/208/240 Input Voltage • 120/208/240 Output Voltage • 1 y Warranty
The 700 Series regulates the line voltage and reduces noise and transients.

Series 700D
208/240/480 Input Voltage • 120/240 Output Voltage • 1 y Warranty
The 700D model conditions the power going to the equipment with the ability to add or change receptacles and distribution cables. There is also a 208/120 output power rating available.

Series 800D
208/240/480 Input Voltage • 208/240/480 Output Voltage • 1 y Warranty
The 800D regulates, isolates, and has a single-cycle ride-through capability as well as exchangeable receptacles and cables.

Deltec Corporation

MPC Series
1 y Warranty

SPC Series
1 y Warranty

TPC Series
208 Input Voltage • 120/208 Output Voltage • 1 y Warranty
The TPC Series features electronic top-switching technology.

Everest Electronic Equipment

MPD125A
90/135 Input Voltage • 90/135 Output Voltage

MPD125B
180/270 Input Voltage • 180/270 Output Voltage • 90 d Warranty
Features a high-performance EMI filter, transient supression, and a magnetic circuit breaker. MPD125A requires a 115V electrical rating. MPD125B requires a 230V electrical rating.

MPD1510-R
Available with options including a remote control capability that provides eight switched and two unswitched receptacles and a remote connector with a three-pin Molex.

Isoreg Corporation

ISOREG Series
120/208/220 Input Voltage • 120/208/220 Output Voltage • 1 y Warranty
Protects against brown-outs, voltage spikes and sags. Alternative choice for power protection when a UPS is not required. Also available in 50Hz models and other voltages.

ISOSHIELD Series
120/208/220 Input Voltage • 120/208 Output Voltage • 1 y Warranty
Protects computers against many types of voltage spike, electrical noise, and ensures complete electrical isolation of equipment from raw utility power. Also available in 50Hz models and other voltages.

ITT PowerSystems Corporation

VIP Power Conditioners
95/130 Input Voltage • 120 Output Voltage • 1 y Warranty
ITT PowerSystems VIP Power Conditioners protect computer systems from the ill effects of "dirty power", including spikes, brownouts, transients and other electrical noise.

MCG Electronics Inc.

290
120 Input Voltage • 120 Output Voltage • 2 y Warranty
Four-outlet surge suppressor for computers, faxes, copiers, CAD systems, desktop publishing systems, etc. Absorption capability is 640 joules.

293
120 Input Voltage • 120 Output Voltage • 2 y Warranty
Four-outlet surge suppressor for computers, faxes, copiers, CAD systems, desktop publishing systems, etc. Absorption capability is 720 joules. Dial-up line protection-RJ11

296
120 Input Voltage • 120 Output Voltage • 2 y Warranty
Six-outlet power and surge suppression strip with on/off switch, wiring integrity test, and circuit breaker. Absorption capability is 640 joules.

DLP-10/20/30
6/200 Input Voltage • 6/200 Output Voltage • 2 y Warranty
The DLP series consists of DLP-10, a two-wire protector; DLP-20, a four-wire protector; and DLP-30, an eight-wire protector. Protects against transient overvoltages.

DLP-3.1
25 Input Voltage • 25 Output Voltage • 2 y Warranty
This RS232 data line protector offers 25-pin D-sub connectors to easily plug into any RS232 port. Protects against overvoltages, transients, and spikes.

DLP-36
6/200 Input Voltage • 6/200 Output Voltage • 2 y Warranty
This wall-mount PABX protector is available in clamp voltages from 6V to 200V, for telephone or data lines. Standard 50-pin telephone connectors.

DLP-4.2
6/200 Input Voltage • 6/200 Output Voltage • 2 y Warranty
Features RJ-11 jacks for dial-up (tip and ring) and leased line (DLP-4.4) modems and computers for protection against data line overvoltages. Clamp voltages 6V-200V.

DLP-4.3
120 Input Voltage • 120 Output Voltage • 2 y Warranty
Surge suppression for fax machines and modems. DLP-4.3 plugs into the same AC outlet as the equipment being protected. Uses RJ11 Jacks.

DLP-5.1
6 Input Voltage • 6 Output Voltage • 2 y Warranty
High-speed video or data line protector, featuring BNC connectors.

DLP-5.2
10 Input Voltage • 10 Output Voltage • 2 y Warranty
High-speed video or data line protector, featuring twin axial connectors and 10V clamping.

DLP-50
6/200 Input Voltage • 6/200 Output Voltage • 2 y Warranty
Telephone or data line protector that mounts in a 19" rack. Each protection board is capable of protecting up to 50 wires.

SPA
120/480 Input Voltage • 120/480 Output Voltage • 2 y Warranty
Shunt-installed, AC line surge suppressor for single-phase, three-phase, wye and delta service. Protects computer equipment, laboratories, small offices. Many models available.

SPB
120/480 Input Voltage • 120/480 Output Voltage • 2 y Warranty
Shunt-installed, AC line surge suppressor for single-phase, three phase, wye and delta service. Protects computer equipment, laboratories, or small offices. Many models available.

SPB-120Y
120 Input Voltage • 120 Output Voltage • 2 y Warranty
Shunt-installed, AC line surge suppressor for 120VAC, three-phase, wye circuits. Protects computer room equipment, laboratories, or small offices. Many models available.

SPC
120/480 Input Voltage • 120/480 Output Voltage • 2 y Warranty
Shunt-installed, AC line surge suppressor for single-phase, three-phase, wye and delta circuits. Protects computer room equipment, laboratories, small offices. Many models available.

Shape Magnetronics Inc.

LineTamer
120/208/480 Input Voltage • 120/208/480 Output Voltage • 5 y Warranty
This series features ferroresonant technology. Portable power conditioners for LAN applications.

Sola Electric

EPC
120/208/480 Input Voltage • 120/208/480 Output Voltage • 1 y Warranty
EPC combines state-of-the-art electronic sensing and control with an isolated transformer to achieve dynamic regulation and common- and transverse-mode noise rejection.

EPC Series
120/208/240 Input Voltage • 120/208/240 Output Voltage • 1 y Warranty
The EPC Series offers a high AC-to-AC efficiency of 95 percent, a zero current switching for high performance and reliability, and a large surge current capability.

Hardwired EPC
120/240/480 Input Voltage • 120/240/480 Output Voltage • 1 y Warranty
The Hardwired EPC Series features a high AC-to-AC efficiency of 96 percent, a zero current switching for high performance and reliability, and swivel casters that provide mobility.

Hardwired MCR
120/240/480 Input Voltage • 120/208/240 Output Voltage • 5 y Warranty
The Hardwired MCR Series provides isolation and regulation and protects against overloads.

MCR
120 Input Voltage • 120 Output Voltage • 5 y Warranty
The MCR Series provides regulation and isolation, suppresses transients, and protects from overloads.

Square D Company

Escourt
120/208/480 Input Voltage • 120/208/240 Output Voltage • 1 y Warranty
First Topaz power conditioner to employ ferroresonant technology. Features true computer grade which makes it ideal for industrial applications.

Line 2
220/230/240 Input Voltage • 220/230/240 Output Voltage • 1 y Warranty

Line 2 (P3)
220/230/240 Input Voltage • 220/230/240 Output Voltage • 1 y Warranty
Provides maximum protection against electrical noise and voltage fluctuations. Equipped with an internal Ultra-Isolator noise suppressor and a PowerLogic microcomputer-controlled voltage regulator.

Superior Electric

STABILINE BCR1205V
208/220/230 Input Voltage • 115/208/220 Output Voltage • 1 y Warranty

STABILINE BCR3103V
115 Input Voltage • 115,208/240 Output Voltage • 1 y Warranty

STABILINE BCR3203V
208/220/230 Input Voltage • 115,208/220 Output Voltage • 1 y Warranty
Power conditioner that regulates voltage. Provides isolation from common-mode noise. Attenuates transverse-mode noise. UL and CSA approved.

STABILINE CR7105PDV
120 Input Voltage • 120 Output Voltage • 1 y Warranty

STABILINE CR7110PDV
120 Input Voltage • 120 Output Voltage • 1 y Warranty
Plug-in type conditioner with four NEMA 5-15R output receptacles. 120dB common-mode noise rejection; 60dB transverse noise attenuation. UL and CSA approved.

STABILINE CR7120PDV
120 Input Voltage • 120 Output Voltage • 1 y Warranty
Plug-in type conditioner with two NEMA L5-30R output receptacles. 120dB common-mode noise rejection; 60dB transverse-mode noise attenuation. UL and CSA approved.

STABILINE PPC 150
95-132 Input Voltage • 120 Output Voltage • 1 y Warranty
Plug-in type conditioner with four NEMA 5-15R output receptacles.120dB common-mode noise rejection; 60dB transverse-node noise attenuation. UL and CSA approved.

STABILINE PPC 300
95-132 Input Voltage • 120 Output Voltage • 1 y Warranty
UL and CSA listed 300VA portable power conditioner. Plug-in type with four NEMA 5-15R output receptacles. 120dB common-mode noise rejection.

STABILINE PPC 450
95-132 Input Voltage • 120 Output Voltage • 1 y Warranty
UL- and CSA-listed 450VA portable power conditioner. Plug-in type with six NEMA 5-15R output receptacles. 120dB common-mode noise rejection.

STABILINE PPC 600
95-132 Input Voltage • 120 Output Voltage • 1 y Warranty
UL- and CSA-listed 600VA portable power conditioner. Plug-in type with six NEMA 5-15R output receptacles. 120dB common-mode noise rejection.

STABILINE WHC Series
208/380/480 Input Voltage • 120/208/240 Output Voltage • 1 y Warranty
WHC Series Power Conditioner is comprised of five basic modules: input circuit breaker, control module, power module, isolation transformer, L-C filter network. 45 models available.

STABILINE CR7120P6DV
120 Input Voltage • 120 Output Voltage • 1 y Warranty
Plug-in type conditioner with six NEMA 5-15R output receptacles. 120dB common-mode noise rejection; 60dB transverse-mode noise attenuation. UL approved.

Transtector Systems Inc.

ACP 3000-120W
120/208 Input Voltage

ACP 3900-120W
120/208 Input Voltage
Feature continuous monitoring of line voltage, a five- nanosecond response to transient voltages, and UL listing.

ACP 5000-120W
120/208 Input Voltage
Features non-operating detection with alarm, a voltage transient counter, and UL listing.

SA 3900-120W
120/208 Input Voltage
Features a proprietary Spatial Array noise filtration and Lattice Matrix suppression.

Power Distribution Controllers

Controlled Power Company

Series 7000
208-480 Input Voltage • 126 Outlets • Input Connectors (NEMA) • Circuit Breaker • Filter EMI/RFI • Output Connectors (NEMA) • Power Cable • 1 y Warranty
The Series 7000 monitors all power parameters and features power distribution centers with powerline conditioning.

Eltec Inc.

Topaz VRS
208/480 Input Voltage

Everest Electronic Equipment

MPD861-C
120 Input Voltage • 12 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
Features local and remote switching via a DEC-compatible control bus as well as overvoltage transient protection.

MPD872-D
120 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
Features a remote front and rear control bus as well as transient protection.

MPD874-D
120 Input Voltage • 8 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
Features a remote control bus as well as transient protection.

International Power Machines Corporation

PDU
208/480 Input Voltage • 252 Outlets • Circuit Breaker • Power Cable • 1 y Warranty
Facilitates the interconnection of computers and peripherals. ETL listed in sizes from 30-225KVA. Available with a choice of 84-, 168-, or 252-pole positions for connections.

Isoreg Corporation

GuardsMan
Monitors and distributes power.

Marway Products Inc.

MPC 871A
120 Input Voltage • 5 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPC 871B
240 Input Voltage • 6 Outlets • Circuit Breaker • Power Cable • 1 y Warranty
Direct replacements for DEC model 871. Also available with power failure on/off reset, and high inrush circuit breakers.

MPC 872C
240 Input Voltage • 10 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPC 872D
120 Input Voltage • 10 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPC 872E
120/240 Input Voltage • 10 Outlets • Circuit Breaker • Power Cable • 1 y Warranty
Direct replacements for DEC model 872. Also available with on/off delay for controller sequencing, power failure on/off reset, and high inrush circuit breakers.

MPC 874A
120/240 Input Voltage • 8 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPC 874B
240 Input Voltage • 8 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPC 874D
120 Input Voltage • 8 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPC 874E
240 Input Voltage • 8 Outlets • Circuit Breaker • Power Cable • 1 y Warranty
Direct replacements for DEC model 874. Also available with on/off delay for controller sequencing, power failure on/off reset, and high inrush circuit breakers.

MPC 877B
120/240 Input Voltage • 6 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPC 877D
120 Input Voltage • 6 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPC 877E
240 Input Voltage • 6 Outlets • Circuit Breaker • Power Cable • 1 y Warranty
Direct replacements for DEC model 877. Also available with on/off delay for controller sequencing, power failure on/off reset, and high inrush circuit breakers.

MPD 861A
120/240 Input Voltage • 12 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPD 861B
240 Input Voltage • 12 Outlets • Circuit Breaker • Power Cable • 1 y Warranty

MPD 861C
120 Input Voltage • 12 Outlets • Circuit Breaker • Power Cable • 1 y Warranty
A direct replacement for DEC model 861. Also available with on/off delay for controller sequencing, power failure on/off reset, and high inrush circuit breakers.

Power Techniques Inc.

PT-1000
120 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 18 mo Warranty
Same as PT-500. Features optional remote on/off front panel (PT100RP). Recessed mount unit is 8" in depth rather than 5.5" as in flush mount.

PT-2000
120 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 18 mo Warranty
Same as PT-500. This model also features a time-sequenced start-up and shutdown option. Please note that this is a 120V model.

PT-500
120 Input Voltage • 8/10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 18 mo Warranty

PT-8740
120 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 18 mo Warranty
The Power Techniques power controllers are available in 240VAC 50Hz models and feature optional IEC internal or external receptacles. UL recognized, CSA approved. PT-8740 is a 120V model.

Pulizzi Engineering Inc.

PC 300-C
120/208 Input Voltage • 14 Outlets • Circuit Breaker • Power Cable • 1 y Warranty
This product has been tested by DP Labs. UL recognized. Features EMI/RFI filtering, spike/surge protection, remote on/off control, emergency shutdown.

PC115-A
90/135 Input Voltage • 12 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
UL recognized and features remote on/off control, EMI/RFI filtering, spike surge suppression, and overload circuit breaker protection. Eight switched outlets and four unswitched.

PC125-A
90/135 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
UL recognized, CSA certified. Features remote on/off control, emergency shutdown, daisy chain capability, EMI/RFI filtering, spike surge suppression, eight switched outlets and two unswitched.

PC125-B
180/270 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty

PC125-C
90/135 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty

PC125-F
180/270 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
UL recognized, CSA certified. Feature remote on/off control, emergency shutdown, daisy chain capability, EMI/RFI filtering, spike surge suppression, eight switched and two unswitched bullets.

PC861-A
90/135 Input Voltage • 12 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
UL recognized. Features remote control, emergency shutdown, daisy chain capability, EMI/RFI filtering, spike surge protection, and eight switched and four unswitched outlets.

PC861-C
90/135 Input Voltage • 12 Outlets • Circuit Breaker • Power Cable • 1 y Warranty
UL recognized. Features remote on/off control, emergency shutdown, daisy chain capability, time delay power up to prevent high inrush current, EMI/RFI filtering, spike/surge protection.

PC874-A
90/135 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
UL recognized. Features remote control, emergency shutdown, daisy chain capability, EMI/RFI filtering, spike surge protection, and eight switched and two unswitched outlets.

PC874-C
90/135 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty

PC874-F
180/270 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
UL recognized and CSA certified and feature remote control, emergency shutdown, and daisy chain capability. Also feature time delay power-up to prevent high inrush.

TPC 981-C
90/135 Input Voltage • 12 Outlets • Circuit Breaker • Power Cable • 1 y Warranty
UL recognized, CSA certified. Features EMI/RFI filtering, spike/surge protection. Ten switched outlets on rear panel, two on front panel. Front panels may be unswitched.

TPC115-10A/MTD
90/132 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty

TPC115-10F/MTD
189/264 Input Voltage • 10 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
UL recognized. Features remote on/off control, emergency shutdown, sequenced multiple time delay power up to prevent high inrush, EMI/RFI filtering, spike/surge protection.

TPC115-8-A
90/135 Input Voltage • 8 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
UL recognized and CSA certified, EMI/RFI filtering and spike/surge protection. Six switched outlets on the rear panel and two on the front panel.

Sigma Information Systems

SA-H156
128/256 Input Voltage • 5 Outlets • Circuit Breaker • Filter EMI/RFI • Power Cable • 1 y Warranty
The SA-H156 features a master outlet that senses CPU power and enables slave outlets. No remote switching wires are required with this unit.

UPS Systems

Abacus Controls Inc.

514-3
10KVA Output Power Ratings • 240 Input Voltage • 85% Output Efficiency • 240 Output Voltage

514-4
10KVA Output Power Ratings • 240 Input Voltage • 85% Output Efficiency • 240 Output Voltage

533-3
3KVA Output Power Ratings • 220 Input Voltage • 85% Output Efficiency • 220 Output Voltage

533-4
3KVA Output Power Ratings • 120 Input Voltage • 85% Output Efficiency • 120 Output Voltage

933-3
3KVA Output Power Ratings • 220 Input Voltage • 85% Output Efficiency • 220 Output Voltage

933-4
3KVA Output Power Ratings • 120 Input Voltage • 85% Output Efficiency • 120 Output Voltage
No electromechanical contact nor solid state switching device between the dual mode bridge circuit and the load; this permits synchronized transfers from the utility to the bridge instantaneously in both directions. Equipped with an internal battery.

953-3
5KVA Output Power Ratings • 220 Input Voltage • 85% Output Efficiency • 220 Output Voltage

953-4
5KVA Output Power Ratings • 240 Input Voltage • 85% Output Efficiency • 240 Output Voltage
No electromechanical contact nor solid-state switching device between dual mode bridge circuit and load; this permits synchronized transfers from utility to bridge instantaneously in both directions.

Acme Electric Corporation/Safe Power

UPS 1000
1KVA Output Power Ratings • 120 Input Voltage • 80% Output Efficiency • 120 Output Voltage

UPS 2000
2KVA Output Power Ratings • 120 Input Voltage • 80% Output Efficiency • 120 Output Voltage

UPS 3000
3KVA Output Power Ratings • 120 Input Voltage • 80% Output Efficiency • 120 Output Voltage

UPS 5000
5KVA Output Power Ratings • 120 Input Voltage • 80% Output Efficiency • 120 Output Voltage
Designed for applications in areas that are subject to continuous power fluctuations, this series offers protection for systems requiring power with constant regulation and conditioning.

Atlas Energy Systems

Ultrapower Rotary Series 650
30KVA Output Power Ratings • 208-480 Input Voltage • 90% Output Efficiency • 120/208 Output Voltage
State-of-the-art on-line ups, coupling proven rotary technology with advanced solid-state control logic.

Beaver Electronic Laboratory Inc.

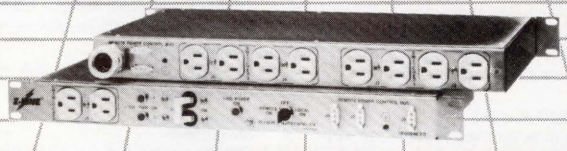
BBU-912
.1KVA Output Power Ratings • 115/230 Input Voltage • 5VDC/20A Output Voltage
The BBU-912 is rackmountable.

CT-UPS-2708A
27KVA Output Power Ratings • 120 Input Voltage • 85% Output Efficiency • 5VDC/3A Output Voltage
The CT UPS-2708A is rackmountable.

Clary Corporation

5k-1A-SBS
5KVA Output Power Ratings • 115 Input Voltage • 115 Output Voltage

DON'T GET ZAPPED!
High inrush current can **destroy** your sensitive VAX CPUs and peripherals **in less time than it takes to flip a switch.**
THE SOLUTION?
Power up with ***Z-LINE* TPC 115-10 MTD™ the smallest** power distribution and control system available.
Z-LINE®
POWER UP WITH



Our proprietary **Multiple Time Delay™ circuitry sequences** your power-up to **protect** your systems from the spikes and surges that **destroy your hardware and erase your data.** And our remote on/off and emergency shutdown **gives the power control back to you.**
All Pulizzi Engineering MTD™ **controllers are compatible with DEC and UPS systems.**
PRICED FROM $453 TO $317
DON'T WAIT UNTIL IT HAPPENS, CALL TODAY!
PULIZZI ENGINEERING INC.
3260 S. Susan Street Santa Ana, CA 92704-6865 (714) 540-4229 FAX (714) 641-9062

7.5k-1A-SBS
7.5KVA Output Power Ratings • 115/230 Input Voltage • 115/230 Output Voltage
Clary manufactures on-line, sine wave UPS from 400VA to 37.5KVA. UL, FCC listed, quiet, efficient. High-demonstrated MTBF 10 years proven history, transistorized. Field upgradeable.

ONGUARD 1.2kVA
1.2KVA Output Power Ratings • 120/220 Input Voltage • 83% Output Efficiency • 120/220 Output Voltage

ONGUARD 1.5kVA
1.5KVA Output Power Ratings • 120/220 Input Voltage • 83% Output Efficiency • 120/220 Output Voltage

ONGUARD 1kVA
1KVA Output Power Ratings • 120/220 Input Voltage • 83% Output Efficiency • 120/220 Output Voltage

ONGUARD 2.5kVA
2.5KVA Output Power Ratings • 120 Input Voltage • 120 Output Voltage
Clary manufactures on-line, sine wave UPS from 400VA to 37.5KVA. UL listed, small, lightweight and quiet. This Onguard line of UPS is one of the smallest and most reliable.

ONGUARD 2kVA
2KVA Output Power Ratings • 120/220 Input Voltage • 83% Output Efficiency • 120/220 Output Voltage

ONGUARD 3.75kVA
3.75KVA Output Power Ratings • 120/220 Input Voltage • 83% Output Efficiency • 120/220 Output Voltage

ONGUARD 3kVA
3KVA Output Power Ratings • 120/220 Input Voltage • 83% Output Efficiency • 120 Output Voltage

ONGUARD 800VA
800 VA Output Power Ratings • 120/220 Input Voltage • 83% Output Efficiency • 120 Output Voltage
Clary manufactures on-line, sine wave UPS from 400VA to 37.5KVA. UL, FCC listed, small, lightweight, quiet. This line of UPS is one of the smallest.

ONGUARD PC-1.25K
1250 VA Output Power Ratings • 120 Input Voltage • 85% Output Efficiency • 120 Output Voltage

ONGUARD PC-1240
400 VA Output Power Ratings • 120 Input Voltage • 85% Output Efficiency • 120 Output Voltage

ONGUARD PC-2400
800 VA Output Power Ratings • 120 Input Voltage • 85% Output Efficiency • 120 Output Voltage

ONGUARD SL-400
400 VA Output Power Ratings • 120 Input Voltage • 85% Output Efficiency • 120 Output Voltage

ONGUARD SL-800
800 VA Output Power Ratings • 120 Input Voltage • 85% Output Efficiency • 120 Output Voltage
Clary manufactures on-line, sine wave UPS from 400VA to 37.5KVA. UL, FCC listed, small, lightweight and quiet and equipped with an RS232 signal level interface.

Computer Power Inc.

ComputerSave Mark II
16.6KVA Output Power Ratings • 120 Input Voltage • 90% Output Efficiency • 120 Output Voltage
UL listed. Power back-up system for Electronic tele. PBX systems and mini/microcomputer system, low-cost, PWM Inverter.

Defender Long Run Series
1000VA Output Power Ratings • 120 Input Voltage • 97% Output Efficiency • 120 Output Voltage
UL listed. Off-line (stand-by) solid state, sine wave PWM output, low cost, filtered powerline noises.

Defender Series
1500 VA Output Power Ratings • 120 Input Voltage • 98% Output Efficiency • 120 Output Voltage
UL listed. Off-line (stand-by), sine wave PWM output, low cost, available with long run time.

HI-REL
10KVA Output Power Ratings • 120 Input Voltage • 75% Output Efficiency • 120 Output Voltage
UL listed, true on-line, long emergency run time, high lightening immunity, sine wave output.

Pulsector
3-10KVA Output Power Ratings • 120 Input Voltage • 80% Output Efficiency • 120 Output Voltage
UL and CSA listed.

TriMax II
300KVA Output Power Ratings • 120/208 Input Voltage • 82-89% Output Efficiency • 120/208 Output Voltage

Controlled Power Company

Series 1000
2-25KVA Output Power Ratings • 120-240 Input Voltage • 95% Output Efficiency • 120-240 Output Voltage
The Series 1000 provides power distribution through flexible cables.

Series 1000D
24KVA Output Power Ratings • 120-240 Input Voltage • 95% Output Efficiency • 120-240 Output Voltage

Cuesta Systems Corp.

DataSaver 200
250 VA Output Power Ratings • 120 Input Voltage • 102-132 Output Voltage
Standby power protection designed specifically for desktop microcomputer users with fixed drives, small printers, or other peripherals. International voltages available. Made in the U.S.A.

DataSaver 400
500 VA Output Power Ratings • 120 Input Voltage • 102-132 Output Voltage
Low profile power protection for microcomputers, multitasking and communication networks including AT, 286, 386, PS/2-80, and fileservers. Awarded "Editor's Choice" in PC magazine. U.S.A. made.

DataSaver 600
750 VA Output Power Ratings • 120 Input Voltage • 102-132 Output Voltage
Low-profile power protection designed specifically for the largest desktop micros, LANs, CAD/CAM, network fileserver systems. Features auto shutdown capability. Made in U.S.A.

DataSaver 90
110 VA Output Power Ratings • 120 Input Voltage • 102-132 Output Voltage
Standby power protection designed specifically for small desktop and portable microcomputers including Apple, Kaypro, grids, and laptops. Made in the U.S.A.

DataShield

SS400
.4KVA Output Power Ratings • 120 Input Voltage • 80% Output Efficiency • 120 Output Voltage

SS700
.7KVA Output Power Ratings • 120 Input Voltage • 80% Output Efficiency • 120 Output Voltage
Feature regulated output, extended battery life, and AC polarity check. Serves as mini power directors with no heavy transformers.

Deltec Corporation

2000 Series
2-5KVA Output Power Ratings • 120/208 Input Voltage • 89% Output Efficiency • 120/208 Output Voltage
Small footprint, RS232 interface, internal batteries, plug and play installation.

7000 Series
5-10KVA Output Power Ratings • 120, 208, 240, 480 Input Voltage • 85% Output Efficiency • 120, 208, 240, 480 Output Voltage

8000 Series
10-25KVA Output Power Ratings • 208/480 Input Voltage • 95% Output Efficiency • 208/480 Output Voltage

9000 Series
37-56KVA Output Power Ratings • 120/208, 277/480 Input Voltage • 95% Output Efficiency • 120/208, 277/480 Output Voltage
Feature small footprint, electronic line conditioning, filtering, surge suppression, isolated output control, on-line bidirectional PWM converter eliminating the need for a separate rectifier/charger.

Watchman II Series
525-1050 VA Output Power Ratings • 120 Input Voltage • 85% Output Efficiency • 120 Output Voltage
Features power director internal battery, LAN interface, and modem protection.

Elgar Corporation

502-1T
5KVA Output Power Ratings • 120/208/240 Input Voltage • 78% Output Efficiency • 120/208/240 Output Voltage
On-line UPS.

IPS 1100
1.1KVA Output Power Ratings • 120/220/240 Input Voltage • 98% Output Efficiency • 120/220/240 Output Voltage
Intelligent Power System, 1100VA-1000 watts,40-minute backup at half load. Intelligent interface allows UPS to computer communications via serial port.

IPS 1600
1.6KVA Output Power Ratings • 120/220/240 Input Voltage • 98% Output Efficiency • 120/220/240 Output Voltage
Intelligent Power System,1600 VA-1500 watts, 45-minute backup at half load. Intelligent interface allows UPS to computer communications via serial port.

IPS 400+600
400 VA Output Power Ratings • 120 Input Voltage • 98% Output Efficiency • 120 Output Voltage
Intelligent Power System, 400 watts, 20 minutes of backup at half load. Intelligent interface allows UPS to computer communications via serial port.

IPS 560
560 VA Output Power Ratings • 120/220/240 Input Voltage • 98% Output Efficiency • 120/220/240 Output Voltage
Intelligent Power System-560 VA-500 watts, 30 minutes of backup at half load. Intelligent interface allows UPS to computer communications via serial port.

Eltec Inc.

Deltec
5KVA Output Power Ratings • 120-480 Input Voltage

Emerson Computer Power

ACCUPOWER
1400 VA Output Power Ratings • 120 Input Voltage • 100 Output Efficiency • 120 Output Voltage
Automatic overload/overtemperature safeguards, automatic operation on power failure, and UL listing. Supplies CPUs with conditioned power and provides back-up in a compact design.

AP100
3KVA Output Power Ratings • 120/240 Input Voltage • 80 Output Efficiency • 120/240 Output Voltage
Provides complete power conditioning with voltage and frequency regulations that surpasses the VAX CPU input specifications. Includes full self diagnostics.

AP115
120 Input Voltage • 80% Output Efficiency • 120 Output Voltage

AP166
5KVA Output Power Ratings • 208/240 Input Voltage • 80% Output Efficiency • 120/240 Output Voltage
Provides complete power conditioning with voltage and frequency regulation that surpasses the VAX CPU input power specifications. Several LED and status displays ensure full self diagnostics.

AP176
5KVA Output Power Ratings • 208/240 Input Voltage • 80 Output Efficiency • 120/240 Output Voltage
Same as the AP166 model.

AP320
15KVA Output Power Ratings • 208/480 Input Voltage • 82% Output Efficiency • 208/480 Output Voltage

AP340
30KVA Output Power Ratings • 208/480 Input Voltage • 85% Output Efficiency • 208/480 Output Voltage

AP355
50KVA Output Power Ratings • 208/480 Input Voltage • 87% Output Efficiency • 208/480 Output Voltage

AP365
75KVA Output Power Ratings • 208/480 Input Voltage • 88% Output Efficiency • 208/480 Output Voltage
Feature several LED and status displays to ensure full diagnostic capabilities.

Micro UPS
1400VA Output Power Ratings • 120 Input Voltage • 100 Output Efficiency • 120 Output Voltage

SW1000
1KVA Output Power Ratings • 120 Input Voltage • 120 Output Voltage
Feature PWM, sine wave output, automatic overload/overtemperature safeguards, automatic operation on power failure, UL listing. Supply CPUs with conditioned power, provides back-up in compact design.

Exide Electronics

10-6
6K VA Output Power Ratings • 220-240 Input Voltage • 83% Output Efficiency • 220-240 Output Voltage

10-8
8K VA Output Power Ratings • 220-240 Input Voltage • 83% Output Efficiency • 220-240 Output Voltage
Model 6 and 8 are part of the Powerware System 10 Series that filters all incoming electrical disturbances and provides battery backup protection.

Powerware Personal Series 2000
1500/2000 VA Output Power Ratings • 120/220 Input Voltage • 120/220 Output Voltage
The Model 2000 is part of the Powerware Personal Series that filters all incoming electrical disturbances and provides battery backup protection.

Powerware Personal Series 500
350/500 VA Output Power Ratings • 120 Input Voltage • 117 Output Voltage
The Models 500 and 1000 are part of the Powerware Personal Series that filters all incoming electrical disturbances and provides battery backup protection.

Powerware Plus 5
3.6k/6k VA Output Power Ratings • 100/200 Input Voltage • 80% Output Efficiency • 100/200 Output Voltage
Models 3 and 5 are part of the Powerware Plus 5 Series that filters all incoming electrical disturbances and provides battery backup protection.

Powerware System 150
100K VA Output Power Ratings • 400/480 Input Voltage • 91% Output Efficiency • 400/480 Output Voltage
Models 80, 100, 125, 150 are part of the Powerware System 150 Series that filters all incoming electrical disturbances and provides battery backup protection.

Powerware System 10
10K VA Output Power Ratings • 208/240 Input Voltage • 90% Output Efficiency • 220/240 Output Voltage

Powerware System 10-6
6K VA Output Power Ratings • 208/240 Input Voltage • 83% Output Efficiency • 120-240 Output Voltage

Powerware System 10-8
8K VA Output Power Ratings • 208/240 Input Voltage • 87% Output Efficiency • 220-240 Output Voltage
Part of the Powerware System 10 Series that filters all incoming electrical disturbances and provides battery backup protection.

Powerware System 20-10
10K VA Output Power Ratings • 208Y/120 Input Voltage • 88% Output Efficiency • 208Y/120 Output Voltage

Powerware System 20-15
15K VA Output Power Ratings • 208Y/120 Input Voltage • 89% Output Efficiency • 208Y/120 Output Voltage

Powerware System 20-20
20K VA Output Power Ratings • 208Y/120 Input Voltage • 89% Output Efficiency • 120 Output Voltage
Part of the Powerware System 20 Series that filters all incoming electrical disturbances and provides battery backup protection.

Powerware System 375
180k/225k VA Output Power Ratings • 400/480 Input Voltage • 93% Output Efficiency • 400/480 Output Voltage
Models 180, 225, 300, and 375 are part of the Powerware System 375 Series that filters all incoming electrical disturbances ands provides battery backup protection.

Powerware System 50
20k/30k VA Output Power Ratings • 208/240 Input Voltage • 86-90% Output Efficiency • 208/480 Output Voltage
Models 20, 30, 40 and 50 are part of the Powerware System 50 Series that filters all incoming electrical disturbances and provides battery backup protection.

Powerware System 80
62k/80k VA Output Power Ratings • 400/480 Input Voltage • 91% Output Efficiency • 400/480 Output Voltage
Models 40, 50, 60 and 80 are part of the Powerware System 80 Series that filters all incoming electrical disturbances and provides battery backup protection.

General Power Corporation

S-120
120KVA Output Power Ratings • 208/480 Input Voltage • 92% Output Efficiency • 208/480 Output Voltage

S-160
160KVA Output Power Ratings • 208/480 Input Voltage • 92% Output Efficiency • 208/480 Output Voltage

S-220
220KVA Output Power Ratings • 208/480 Input Voltage • 93% Output Efficiency • 208/480 Output Voltage

S-330
330KVA Output Power Ratings • 208/480 Input Voltage • 93% Output Efficiency • 208/480 Output Voltage

S-40
40KVA Output Power Ratings • 208/480 Input Voltage • 90% Output Efficiency • 208/480 Output Voltage

S-500
500KVA Output Power Ratings • 208/480 Input Voltage • 94% Output Efficiency • 208/480 Output Voltage

S-60
60KVA Output Power Ratings • 208/480 Input Voltage • 91% Output Efficiency • 208/480 Output Voltage

S-80
80KVA Output Power Ratings • 208/480 Input Voltage • 91% Output Efficiency • 208/480 Output Voltage

U1000
1KVA Output Power Ratings • 120/220/240 Input Voltage • 84% Output Efficiency • 120/220/240 Output Voltage

U10000
10KVA Output Power Ratings • 120/220/240 Input Voltage • 86% Output Efficiency • 120/220/240 Output Voltage

U3000
3KVA Output Power Ratings • 120/220/240 Input Voltage • 85% Output Efficiency • 120/220/240 Output Voltage

U5000
5KVA Output Power Ratings • 120/220/240 Input Voltage • 86% Output Efficiency • 120/220/240 Output Voltage

V-12
12.5 VA Output Power Ratings • 208/380/480 Input Voltage • 85% Output Efficiency • 208/380/480 Output Voltage

V-18
18.75 VA Output Power Ratings • 208-480 Input Voltage • 87% Output Efficiency • 208-480 Output Voltage

V-30
30KVA Output Power Ratings • 208-480 Input Voltage • 89% Output Efficiency • 208-480 Output Voltage
This series feature transistorized rather than SCR inverter technology.

Gotec U.K. Ltd.

DataPower 3 Phase
150KVA Output Power Ratings • 120/480 Input Voltage • 95% Output Efficiency • 120/480 Output Voltage
Manufacturer certified: VDE 0805, VDE 60950

DataPower Single Phase
2KVA Output Power Ratings • 120/240 Input Voltage • >90% Output Efficiency • 120/240 Output Voltage
Single-phase systems from 0.5KVA to 10KVA.

HDR Power Systems Inc.

HDR 1300
5KVA Output Power Ratings • 208 Input Voltage

HDR 1400-10
10KVA Output Power Ratings • 120/240 Input Voltage • 93% Output Efficiency • 120/240 Output Voltage

HDR 1400-15
15KVA Output Power Ratings • 120/240 Input Voltage • 93% Output Efficiency • 120/240 Output Voltage

HDR 1400-5
5KVA Output Power Ratings • 120-240 Input Voltage • 93% Output Efficiency • 120/240 Output Voltage

HDR 1400-7.5
7.5KVA Output Power Ratings • 120/240 Input Voltage • 93% Output Efficiency • 120/240 Output Voltage
Include power conversion and transfer circuitry, and an internal load distribution panel. Available with an optional remote panel. Feature a 20-minute minimum back-up.

HDR 3100
10KVA Output Power Ratings • 120/208 Input Voltage • 80% Output Efficiency • 120/208 Output Voltage
True on-line three-phase UPS featuring internal maintenance-free battery.

Hitron Corporation

BA0279-00-03
10KVA Output Power Ratings • 480 Input Voltage • 85% Output Efficiency • 120 Output Voltage

BA0280-00-03
15KVA Output Power Ratings • 480 Input Voltage • 85% Output Efficiency • 120 Output Voltage

BA0281-00-03
20KVA Output Power Ratings • 480 Input Voltage • 85% Output Efficiency • 120 Output Voltage
On-line UPSs, complete with static transfer switch, manual maintenance bypass switch, pad-lockable circuit breakers and LED status alarm control with remote capability.

ICS Inc.

ELECTRO-PAC/2.0
2KVA Output Power Ratings • 120/480 Input voltage • 85% Output Efficiency • 120/240 Output Voltage
This system consists of an electronically regulated battery charger, sine wave inverter, static switch, manual bypass switch.

ELECTRO-PAC/10
10KVA Output Power Ratings • 120/480 Input Voltage • 85% Output Efficiency • 120/240 Output Voltage

ELECTRO-PAC/15
15KVA Output Power Ratings • 208/480 Input Voltage • 85% Output Efficiency • 120/240 Output Voltage

ELECTRO-PAC/20
20KVA Output Power Ratings • 208/480 Input Voltage • 85% Output Efficiency • 120/240 Output Voltage

ELECTRO-PAC/3.0
3KVA Output Power Ratings • 120/480 Input Voltage • 85% Output Efficiency • 120/240 Output Voltage

ELECTRO-PAC/5.0
5KVA Output Power Ratings • 120/480 Input Voltage • 85% Output Efficiency • 120/240 Output Voltage

ELECTRO-PAC/7.5
7.5KVA Output Power Ratings • 208/480 Input Voltage • 85% Output Efficiency • 120/240 Output Voltage
These systems consist of an electronically regulated battery charger, sine wave inverter, static switch and a manual bypass transfer switch.

LIFELINE-200
200 VA Output Power Ratings • 120 Input Voltage • 90% Output Efficiency • 120 Output Voltage
M95-200 (930-0056) features seven-minute run time. No transfer time when deviation is sensed; CPU loads automatically protected. No loss of information.

LIFELINE-600
600 VA Output Power Ratings • 120 Input Voltage • 90% Output Efficiency • 120 Output Voltage
M95-600 (930-0055) features 15-minute run time. No transfer time when deviation is sensed; CPU loads automatically protected. No loss of information.

SB 1000
1000 VA Output Power Ratings • 120 Input Voltage • 117 Output Voltage

SB 1400
1400 VA Output Power Ratings • 120 Input Voltage • 117 Output Voltage
Designed specifically to meet the power requirements of LANs, supermicro and minicomputers systems, and multiple PC systems, RS232-DB9 output to interface the UPS with computer.

SB 450SL
450 VA Output Power Ratings • 120 Input Voltage • 117 Output Voltage

SB 850SL
850 VA Output Power Ratings • 120 Input Voltage • 117 Output Voltage
Slim Line fits under computer monitor. Power director front panel, free auto shutdown software, RS232, DB9 output to interface UPS with computer.

SPD-1000
1KVA Output Power Ratings • 120 Input Voltage • 80% Output Efficiency • 120 Output Voltage
Standard DB9 port to interface with file server (Novell type), IBGT transistor, PWM design, static bypass, UL, CSA pend., IEEE 587, FCC A.

SPD-3000
3KVA Output Power Ratings • 208/240 Input Voltage • 90% Output Efficiency • 208/120 Output Voltage
AS/400 interface (DB connector). Static bypass transfer switch, optional RS232 interface for computer diagnostics, UL, CBA pend., IEEE 587, FCC A.

International Power Machines Corporation

BP+100
100KVA Output Power Ratings • 208/600 Input Voltage • 90.2% Output Efficiency • 208/600 Output Voltage
New transistorized BalancedPower Plus UPS. Digital panel displays critical parameters and operator instructions. Optional matching battery pack, AS400 and System 38 interface.

BP+125
125KVA Output Power Ratings • 208/600 Input Voltage • 91.2% Output Efficiency • 208/600 Output Voltage

BP+150
150KVA Output Power Ratings • 208/600 Input Voltage • 91.2% Output Efficiency • 208/600 Output Voltage

BP+20
20KVA Output Power Ratings • 208/600 Input Voltage • 89.2% Output Efficiency • 208/600 Output Voltage
New transistorized BalancedPower Plus UPSs. Digital monitoring panel displays critical parameters and operator instructions. Optional matching battery pack, AS400 and System 38 interface.

BP+30
30KVA Output Power Ratings • 208/600 Input Voltage • 89.2% Output Efficiency • 208/600 Output Voltage
This new BalancedPower Plus UPS is field upgradeable to 50KVA. Digital monitoring panel displays critical parameters and operator instructions. Optional AS400 and System 38 interface.

BP+50
50KVA Output Power Ratings • 208/600 Input Voltage • 90.2% Output Efficiency • 208/600 Output Voltage
New transistorized BalancedPower Plus UPS. Digital monitoring panel displays critical parameters and operator instructions. Optional matching battery pack, AS400 and System 38 interface.

BP+75
75KVA Output Power Ratings • 208/600 Input Voltage • 90.2% Output Efficiency • 208/600 Output Voltage
This new BalancedPower Plus UPS is field upgradeable to 100KVA. Digital monitoring panel displays critical parameters and operator instructions. Optional AS400 and System 38 interface.

DP100
100KVA Output Power Ratings • 208/480 Input Voltage • 85% Output Efficiency • 208/480 Output Voltage

DP125
125KVA Output Power Ratings • 208/480 Input Voltage • 87% Output Efficiency • 208/480 Output Voltage

DP150
150KVA Output Power Ratings • 208/480 Input Voltage • 87% Output Efficiency • 208/480 Output Voltage

DP20
20KVA Output Power Ratings • 208/480 Input Voltage • 78% Output Efficiency • 208/480 Output Voltage

DP225
225KVA Output Power Ratings • 208/480 Input Voltage • 90% Output Efficiency • 208/480 Output Voltage

DP25
25KVA Output Power Ratings • 208/480 Input Voltage • 80% Output Efficiency • 208/480 Output Voltage

DP300
300KVA Output Power Ratings • 208/480 Input Voltage • 91% Output Efficiency • 208/480 Output Voltage

DP38
38KVA Output Power Ratings • 208/480 Input Voltage • 81% Output Efficiency • 208/480 Output Voltage

Isoreg Corporation

ISOGUARD
6.25KVA Output Power Ratings • 120/208/240 Input Voltage • 90% Output Efficiency • 120/208 Output Voltage

ITT PowerSystems Corporation

VIP 3000 Series
56.25KVA Output Power Ratings • 332/477 Input Voltage • 90 Output Efficiency • 380/415 Output Voltage
The VIP 3000 Series protects high-end power applications, including small to large mainframe computers, large LANs, factory automated environments, process control and CAD/CAM systems.

VIP Executive Desktop Series
400/1250 VA Output Power Ratings • 96/132 Input Voltage • 120 Output Voltage
The Novell-approved VIP Executive Desktop Series is designed to meet the power protection needs of small to medium computer systems, LANs, PBXs, and POS applications.

VIP Executive Tower Series
1K-3KVA Output Power Ratings • 96/132 Input Voltage • 120 Output Voltage
The VIP Executive Tower Series provides on-line, sinusoidal power with microprocessor technology for precise control, better regulation, and faster response.

VP 1000 Series
10KVA Output Power Ratings • 240/480 Input Voltage • 280/240 Output Voltage
Designed to put out more power with a smaller footprint, the VIP 1000 Series protects small to medium minicomputer, POS, PBX, and LAN applications.

Liebert Corp.

Series 100
10KVA Output Power Ratings • 208/240 Input Voltage • 240/120 Output Voltage
The PPC (Programmed Power Center) features internal logic, UL listing, and offers maintenance and service.

Series 300
75KVA Output Power Ratings • 208/480 Input Voltage • 208/480 Output Voltage
Features microprocessor with self-diagnostics, UL listing; offers maintenance, service. Displays battery time remaining during power outages; has manually selected static bypass with auto retransfer.

Lortec Power Systems Inc.

Standby
300-1200VA Output Power Ratings • 120 Input Voltage • 120 Output Voltage
Cost-effective, reliable protection for mini-, microcomputers and local area networks. Available with extended reserve times and two-year limited warranty.

UPS Single Phase
2-5KVA Output Power Ratings • 120/208 Input Voltage
True on-line UPS protection with user-friendly controls and operations. Various battery reserve times are available.

UPS Three Phase
80KVA Output Power Ratings • 208/480 Input Voltage • 208/480 Output Voltage
Proven reliable design, simple open loop design backed by a 20-year money back guarantee. Various installation and maintenance programs are available.

Panamax

Non-Stop PowerMax Desktop
800 VA Output Power Ratings • 120 Input Voltage • >85% Output Efficiency • 120 Output Voltage

Non-Stop PowerMax Pro
800VA Output Power Ratings • 120 Input Voltage • >85% Output Efficiency • 120 Output Voltage

Non-Stop PowerMax Server
1200 VA Output Power Ratings • 120 Input Voltage • >85% Output Efficiency • 120 Output Voltage
Fully digital in-line UPSs featuring six- to 10-year expected battery life, no transfer time, LAN interface, desktop remote on/off switch, alarm and five year warranty.

Precise Power Corporation

15-60
15KVA Output Power Ratings • 208/240/480 Input Voltage • 81% Output Efficiency • 208/240/480 Output Voltage

35-60
35KVA Output Power Ratings • 208/240/480 Input Voltage • 84% Output Efficiency • 208/480 Output Voltage
Extended Power Assurance (XPA) systems feature full electrical isolation, provide 15 seconds constant frequency ride-through protection at full load without the use of batteries.

PTI Industries

SS700
.7KVA Output Power Ratings • 120 Input Voltage
Features regulated output, extended battery life, and AC polarity check. A UPS that serves as a mini power director with no heavy transformers.

Sola Electric

1.5 Electronic
1.5-3KVA Output Power Ratings • 120/208/240 Input Voltage • 84% Output Efficiency • 120/208/240 Output Voltage
Features automatic no-break transfer. True on-line UPS.

Electronic 87 UPS
5-10KVA Output Power Ratings • 120/240/480 Input Voltage • 85% Output Efficiency • 120/240/480 Output Voltage
The Electronic 87 UPS is a true no-break UPS that features a multitapped input/output which allows a variety of configurations.

Interact 57 Series
10-25KVA Output Power Ratings • 120/208 Input Voltage • 95% Output Efficiency • 120/208 Output Voltage
This Series features a high output efficiency (AC-to-AC) of 95%. Smallest footprint on the market.

Mini-UPS/2
.5-1KVA Output Power Ratings • 120 Input Voltage • 85 Output Efficiency • 120 Output Voltage
The Mini UPS/2 is a true on-line, no-break UPS that features an RS232 interface.

PWM-UPS
3KVA Output Power Ratings • 120 Input Voltage • 84 %Output Efficiency • 120/208/240 Output Voltage

Solidstate Controls Inc.

PB4100-1
10KVA Output Power Ratings • 208 Input Voltage • 81% Output Efficiency • 120 Output Voltage

PB4100-3
10KVA Output Power Ratings • 208 Input Voltage • 83% Output Efficiency • 120/208 Output Voltage

PB4150-3
15KVA Output Power Ratings • 208 Input Voltage • 83% Output Efficiency • 120/208 Output Voltage

PB4200-3
20KVA Output Power Ratings • 208 Input Voltage • 83% Output Efficiency • 120/208 Output Voltage
The PB4200-3 is UL listed.

PB5030-4
30KVA Output Power Ratings • 208/120 Input Voltage • 85% Output Efficiency • 480 Output Voltage

PB5050-4
50KVA Output Power Ratings • 208/120 Input Voltage • 87% Output Efficiency • 480/277 Output Voltage

PB5075-4
75KVA Output Power Ratings • 480/277 Input Voltage • 90% Output Efficiency • 480/277 Output Voltage

PB5100-4
100KVA Output Power Ratings • 480/277 Input Voltage • 90% Output Efficiency • 480/277 Output Voltage

PB5150-4
150KVA Output Power Ratings • 480/277 Input Voltage • 90% Output Efficiency • 480/277 Output Voltage
Additional options available.

PowerBase 1103-3S
3KVA Output Power Ratings • 120 Input Voltage • 75% Output Efficiency • 120 Output Voltage
The PowerBase 1103-3S is UL listed. 30-minute battery, on-line UPS. Additional options available.

PowerBase 1103-6S
3KVA Output Power Ratings • 120 Input Voltage • 75% Output Efficiency • 120 Output Voltage
The PowerBase 1103-6S is UL listed. 60-minute battery, on-line UPS. Additional options available.

PowerBase 1103-S
3KVA Output Power Ratings • 120 Input Voltage • 75% Output Efficiency • 120 Output Voltage
The PowerBase 1103-S is UL listed. 15-minute battery, on-line UPS. Additional options available.

SS 1000
1KVA Output Power Ratings • 120 Input Voltage • <70% Output Efficiency • 120 Output Voltage

SS 3000
3KVA Output Power Ratings • 120 Input Voltage • <80% Output Efficiency • 120 Output Voltage
UL listed, on-line UPSs, include battery in same cabinet. Additional options available.

SS 5000
5KVA Output Power Ratings • 120 Input Voltage • <83% Output Efficiency • 120 Output Voltage
On-line UPS. Additional options available.

Square D Company

BP+15
15KVA Output Power Ratings • 208/600 Input Voltage • 89.2% Output Efficiency • 208/600 Output Voltage
This new BalancedPower Plus UPS is field upgradeable to 20KVA. Digital monitoring panel displays critical parameters and operator instructions. Optional AS400 and System 38 interface.

PowerMaker E/S
5-25KVA Output Power Ratings • 120/240 Input Voltage • 84% Output Efficiency • 120/240 Output Voltage
Continuous-duty, on-line system that features exclusive microcomputer-controlled waveform synthesis.

PowerMaker Micro UPS
.4-1.3KVA Output Power Ratings • 120 Input Voltage • 120 Output Voltage
Designed specifically for protecting PCs and small business computers against power outages and electrical noise. Provides a sine wave output that matches the waveshape of commercial power.

PowerMaker Mini
10KVA Output Power Ratings • 120/208/240 Input Voltage • 81% Output Efficiency • 120/208/240 Output Voltage
New innovative line that supplies 3-10KVA of clean sinusoidal output power. Features advanced PWM technology, exclusive on-line/off-line selectability, and selectable voltages and frequencies.

PowerMaker UPS
2.5KVA Output Power Ratings • 120/220/240 Input Voltage • 93% Output Efficiency • 120/220/240 Output Voltage
Protects microcomputers and super micros against noise, voltage fluctuations, and power outages. Features one millisecond power transfer plus complete power conditioning that allows this device to emulate on-line systems. Available in a 2.5KVA model at $$4,850.

ULTRA-ISOLATOR
130KVA Output Power Ratings • 120/240 Input Voltage • 95% Output Efficiency • 120/240 Output Voltage
Noise suppressors that protect computers and sensitive electronic equipment against electrical noise disturbances. Guaranteed to eliminate noise-related equipment problems.

Summus Computer Systems

Tosnic
.5KVA Output Power Ratings • 120/220 Input Voltage • 88% Output Efficiency • 120/220 Output Voltage

Superior Electric

STABILINE UPSY 52004-2
400VA Output Power Ratings • 220 Input Voltage • 75% Output Efficiency • 220 Output Voltage

STABILINE UPSY520082
800VA Output Power Ratings • 176/242 Input Voltage • 75% Output Efficiency • 220 Output Voltage

STABILINE UPSY52012-2
1250VA Output Power Ratings • 176/242 Input Voltage • 80% Output Efficiency • 220 Output Voltage
True on-line UPS systems that regulate voltage, provide a reliable source of clean, continuous, sine wave AC backup. 10 minutes runtime at full load.

STABILINE UPSY61004
400VA Output Power Ratings • 96/132 Input Voltage • 80% Output Efficiency • 120 Output Voltage
True on-line UPS systems that regulate voltage, provide a reliable source of clean, continuous, sine wave AC backup. Five minutes runtime at full load.

STABILINE UPSY61004L
800 VA Output Power Ratings • 96/132 Input Voltage • 80% Output Efficiency • 120 Output Voltage
True on-line UPS systems that regulate voltage, provide a reliable source of clean, continuous, sine wave AC and backup.

STABILINE UPSY61008
800 VA Output Power Ratings • 96/132 Input Voltage • 80% Output Efficiency • 120 Output Voltage

STABILINE UPSY61012
1250 VA Output Power Ratings • 96/132 Input Voltage • 85% Output Efficiency • 120 Output Voltage
True on-line UPS systems that regulate voltage, provide a reliable source of clean, continuous, sine wave AC backup. 10 minutes runtime at full load.

Sutton Designs Inc.

F Series
.35KVA Output Power Ratings • 120/240 Input Voltage • 120/240 Output Voltage

FD 1.15KVA
1.15KVA Output Power Ratings • 120/220 Input Voltage • 90% Output Efficiency • 120/220 Output Voltage

FD 1.4KVA
1.4VA Output Power Ratings • 120/220 Input Voltage • 90% Output Efficiency • 120/220 Output Voltage

FD 1.8KVA
1.8KVA Output Power Ratings • 120/220 Input Voltage • 90% Output Efficiency • 120/220 Output Voltage

FD 10KVA
10KVA Output Power Ratings • 208/220 Input Voltage • 91% Output Efficiency • 208/220 Output Voltage

FD 12.5KVA
12.5KVA Output Power Ratings • 208/220 Input Voltage • 91% Output Efficiency • 208/220 Output Voltage

FD 18KVA
18KVA Output Power Ratings • 208/220 Input Voltage • 92% Output Efficiency • 208/220 Output Voltage

FD 2.1KVA
2.1KVA Output Power Ratings • 120/208 Input Voltage • 90 Output Efficiency • 120/208 Output Voltage

FD 3.1KVA
3/1KVA Output Power Ratings • 120/208 Input Voltage • 90% Output Efficiency • 120/205 Output Voltage

FD 4.3KVA
4.3KVA Output Power Ratings • 120/205 Input Voltage • 90% Output Efficiency • 120/205 Output Voltage

FD 500VA
500VA Output Power Ratings • 120/220 Input Voltage • 120/220 Output Voltage

FD 700VA
700VA Output Power Ratings • 120/220 Input Voltage • 120/220 Output Voltage

FD 7KVA
7KVA Output Power Ratings • 208/220 Input Voltage • 90% Output Efficiency • 208/220 Output Voltage

FD 850VA
850VA Output Power Ratings • 120/220 Input Voltage • 85% Output Efficiency • 120/220 Output Voltage

Transtector Systems Inc.

UP2S 1000
1KVA Output Power Ratings • 120 Input Voltage • 120 Output Voltage
A true on-line system that features Lattice Matrix suppression and sine wave synchronization during initial start-up from A.C. to inverter.

VITEQ Corporation

15A
1.5KVA Output Power Ratings • 90-140 Input Voltage • 75% Output Efficiency • 120 Output Voltage
The Viteq on-line UPS supplies maximum reliable power to DEC micro and minicomputers, both standalone and in LAN applications. Unsurpassed inrush capacity.

386/LAN
750VA Output Power Ratings • 90-140 Input Voltage • 75% Output Efficiency • 120 Output Voltage
The 386/LAN supplies maximum reliable power to any DEC microcomputer load or 286 or 386-based file servers up to 750VA from all power disturbances.

MINI/GP
3KVA Output Power Ratings • 120/208/240 Input Voltage • 75% Output Efficiency • 120/208/240 Output Voltage
The MINI/GP automatically configures itself to power any equipment requiring single-phase 120 VAC, dual-phase 208/120 VAC, or split-phase 240/120 VAC.

ENCLOSURES

SYSTEM AND PERIPHERAL ENCLOSURES

Model	Front Access	Rear Access	Width (inches)	Height (inches)	Depth (inches)	Enclosure Type	Side Panels	# of Backplane Slots	Stabilizers	Power Controller	Price
Dyna Five Corporation 714 525-8795											
D5-VS102		Y				VME Large Systems			Y		
EE100			19	5.25	25	Q-bus				Y	
EE101	Y	Y	19	5.25	19.75	Q-bus Systems	Y	8		Y	
PE 106	Y	Y	19	5.25	25	Peripheral				Y	
PE 110	Y	Y	19	5.25	18	Peripheral	Y			Y	
PE 113	Y		10	5.75	13	Peripheral				Y	
PE-103	Y		19	5.25	24.50	8" Fujitsu Drives			Y		
PE110	Y	Y	19	5.25	18	Peripheral	Y			Y	
PE114	Y		10.25	10	12	Peripheral				Y	
PE116	Y	Y	19	5.25	18	Peripheral	Y			Y	
SE 102	Y	Y	19	10.5	26.75	Q-BUS	Y	12/16		Y	
SE-105	Y	Y	16.9	10.5	25	DEC BA123		16		Y	
SE-108	Y	Y	19	5.25	19.75	Q-bus Systems		4		Y	
SE100			19	5.25	25	LSI-11 Systems	Y	8		Y	
SE101	Y	Y	19	5.25	19.75	Q-bus Systems		8		Y	
Everest Electronic Equipment 404 279-2261											
EH-9642-EA	Y	Y	21.25	41.75	30	Mid-sized Systems	Y			Y	$1,975
EH-9642-ES	Y	Y	21.25	41.75	30	Mid-sized Systems	Y			Y	$1,425
EH-9645-EA	Y	Y	29.10	39.50	30	Shielded Cabinet	Y			Y	$2,250
EH9602-19F	Y	Y	22.56	60.42	30	Heavy Load	Y			Y	$1,487
EH9602-24F	Y	Y	27.50	60.42	30	Large Systems	Y			Y	$1,790
EH9610-F	Y	Y	21.25	30.75	30	Small Systems	Y			Y	$935
EH9642-AF		Y	21.25	41.75	36	Disk Drives	Y			Y	$1,325
EH9642-FA	Y	Y	21.25	41.75	30	Mid-sized Systems	Y			Y	$1,850
EH9642-FFL	Y	Y	21.25	41.75	30	Medium Systems	Y			Y	$1,066
EH9642-JA	Y	Y	26.59	41.75	36	Micro Systems	Y				$3,465
EH9646-ES	Y	Y	21.25	58.00	30	Large Systems	Y			Y	$1,485
EH9646-JA	Y	Y	21.25	60.00	30	Large Systems	Y			Y	$2,128
EH9646F	Y	Y	21.25	60.25	30	Mid-sized Systems	Y			Y	$1,435
EH9647-AA	Y	Y	29.10	58.00	30	Large Systems	Y			Y	$2,375
TWIO-SABRE	Y	Y	11.50	24.30	31.20	Micro Pedestal	Y		Y	Y	$810
Hybricon 508 772-5422											
027-088-04			2.87	12.37	10	Card Cage		4			$319
027-088-08			4.75	11.88	10	Card Cage		8			$398
027-095-10			6.80	12.60	10	Card Cage		10			$495
027-302			7.97	5.75	9.45	Card Cage		12			$355
027-372-04			2.87	12.37	10	Card Cage		4			$319
Interlogic Industries 516 420-8111											
DOV11-B						LSI-11 Backplane		9			$235
H-9270						Q-bus Backplane		4			$195
H-9275						Q-bus Backplane		9			$365
H-9278						Q-bus Backplane		8			$190

SYSTEM AND PERIPHERAL ENCLOSURES

Model	Front Access	Rear Access	Width (inches)	Height (inches)	Depth (inches)	Enclosure Type	Side Panels	# of Backplane Slots	Stabilizers	Power Controller	Price
Kingston Technology Corp. 714 545-6887											
DC100ex	Y		10.50	2.25	10.50	Removable Disk					
DC100ex-G	Y		10.50	2.25	10.50	Drive Chassis					
DC100i	Y		5.70	1.67	7.62	Removable Disk					
DC101	Y		8.20	5.45	14.80	Removable Disk					
Lion Cabinets 201 427-3500											
Lion 310	Y	Y	9.9	2.75	11.96	Disk				Y	$285
Lion 440	Y	Y	16	2.84	16	Disk/Tape				Y	$475
Lion 505	Y	Y	9.9	275	11.96	Tape				Y	$285
Lion 510	Y	Y	9.38	5.29	13	Disk/Tape Optical				Y	$330
Lion 515	Y	Y	9.38	10	13	Disk/Tape optical				Y	$475
Lion 520	Y	Y	9.38	12	13	Disk/Tape optical				Y	$495
Lion 520 W	Y	Y	18	6.5	15.5	Disk/Tape optical				Y	$495
Lion 530	Y	Y	9.38	15.75	13	Disk/Tape optical				Y	
RM525-D	Y	Y	19	5.25	18.80	Disk/Tape optical					$850
RM525-Q	Y	Y	19	5.25	26.6	Disk/Tape optical				Y	$1,050
UNE-NP	Y	Y	21.25	41.62	31.37	Medium Systems	Y	Y	Y	Y	$1,195
UXT-COMMS	Y	Y	21.25	60.5	32	Communication	Y		Y		$1,595
SI Tech 708 232-8640											
3000		Y	19	4.5	12	Modem		16			
Sigma Information Systems 714 630-6553											
SA-H-204	Y		8.75	5.8	17.75	5.25" Disk Drives			Y		$970
SA-H124/Q	Y	Y	7.43	26.5	23.25	5.25" Disk Drives	Y	8	Y		$1,754
SA-H158			7.50	24	23	8" Disk Drives	Y				$1,840
SA-H159	Y	Y	19	5.25	24	MicroVAX II/LSI-11		8		Y	$1,694
SA-H160		Y	19	10.50	24	MicroVAX II		14			$3,134
SA-H162	Y	Y	14.60	26.87	28	5.25" Disk Drives	Y	16	Y	Y	$3,815
SA-H163/3 Series	Y		19	5.25	18	5.25" Disk Drives				Y	$1,388
SA-H168/2	Y	Y	19	12.25	24	5.25" Disk Drives		14	Y		$4,871
SA-H169	Y	Y	19	12.25	26	5.25" Disk Drives		14			$10,833
SA-H184	Y		10	20.75	20.5	5.25" Disk Drives	Y		Y		$2,284
SA-H187/2	Y		19	5.25	18	5.25" Disk Drives					$4,150
SA-H188	Y		19	5.25	22.5	5.25" Disk Drives					$1,270
SA-H194	Y		19	10.5	26	Drives/VME Card Cage		12			$11,950
SA-H195	Y		19	8.75	21	Drives/Backplane		8			$3,155
SA-H212 Series	Y		7	7.12	16.25	5.25"			Y		$306
Summus Computer Systems 713 492-6611											
SUM-ENC	Y	Y					Y		Y	Y	
Trimm Industries 818 983-1833											
D9602-CA	Y	Y	27.5	60.00	30	Large Disk/Tape	Y			Y	
D9602-NF	Y	Y	21.25	60.00	30	Large Systems	Y			Y	
D9610-CA	Y	Y	21.25	31.00	30	Small Systems	Y			Y	
D9642-CA	Y	Y	21.25	41.64	30	Medium Systems	Y			Y	
D9642-CDC		Y	21.25	41.64	30	CDC's Keystone	Y			Y	
D9642-DA	Y	Y	21.25	41.64	30	Medium Systems	Y			Y	
D9646-CA	Y	Y	21.25	61.50	30	Large Systems	Y			Y	
DA 23						5.25“ Disk Drives			Y		
DA 5			9.2	5.70	13	5.25“ Disk Drives			Y		

SYSTEM AND PERIPHERAL ENCLOSURES

Model	Front Access	Rear Access	Width (inches)	Height (inches)	Depth (inches)	Enclosure Type	Side Panels	# of Backplane Slots	Stabilizers	Power Controller	Price
Trimm Industries 818 983-1833 (continued)											
DA 50-2			19	5.25	25	5.25" Disk Drives			Y		
DA 50-4			19	5.25	25	5.25" Disk Drives			Y		
DA 80-EMD			19	5.25	30	8" CDC EMD-9720					
DA 80-FJ			19	5.25	30	8" Fujitsu 2300					
DA523-xxx			19	10.5	25.13	Q-bus Chassis		12			
Zoltech Corporation 818 780-1800											
VCQ-11/Model 11	Y		19	5.25	17	Desktop				Y	$500
VCQ-11/Model 16	Y		19	5.25	17	Subsystem Chassis				Y	$925
VCQ-11/Model 20		Y	19	5.25	17	Card Cage Chassis		32		Y	$1,250
VCQ-11/Model 28	Y		19	5.25	17	Card Cage Chassis		32		Y	$1,300
VHQ-11/Model 11	Y		19	10.5	17	Desktop				Y	$750
VHQ-11/Model 16	Y		19	10.5	17	Subsystem Chassis				Y	$1,500
VHQ-11/Model 20		Y	19	10.5	17	Card Cage Chassis		56		Y	$2,350
VHQ-11/Model 28	Y		19	10.5	17	Card Cage Chassis		56		Y	$2,350
VHQ-11/Model 30		Y	19	5.25	17	Integrated Systems		32		Y	$1,775
VHQ-11/Model 38	Y		19	10.5	17	Integrated Systems		32		Y	$1,795
VLQ-11/Model 11	Y		19	10.5	25.5	Desktop				Y	$850
VLQ-11/Model 30		Y	19	10.5	25.5	Integrated Systems		56		Y	$3,000
VQ-11/Model 11	Y		19	5.25	25.5	Desktop				Y	$575
VQ-11/Model 16	Y		19	5.25	25.5	Subsystem Chassis				Y	$1,150
VQ-11/Model 30		Y	19	5.25	25.5	Integrated Systems		32		Y	$1,500

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Just $50 a copy.

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to order now.

System and Peripheral Enclosures

Dyna Five Corporation

D5-VS102
Rear Access • Stabilizers
System enclosure accommodates up to 12 double-height boards and provides internal mounting for a wide variety of 5.25" and 8" peripherals. Enclosure provides 750-watt power supply. Available in pedestal, rackmount, and desktop configurations.

EE100
19 Inches Wide • 5.25 Inches High • 25 Inches Deep • Power Controller
The BA123 is available in pedestal, rackmount and tabletop configurations. Has panels for up to 32 lines, supports 22-bit addressing, front access to peripherals.

EE101
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 19.75 Inches Deep • Side Panels • Power Controller
Available in tabletop and rackmount configurations. This expansion enclosure doubles system size, providing power and backplane space for additional peripheral, communication and process I/O controllers.

PE 106
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 25 Inches Deep • Power Controller
Peripheral enclosure for up to five 5 1/4" peripherals with a 250-watt power supply in rackmount, tabletop, or pedestal configuration.

PE 110
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 18 Inches Deep • Side Panels • Power Controller
Peripheral enclosure for up to four 5 1/4" peripherals with individual power supplies in rackmount, tabletop, or pedestal for DEC, VME, SUN, or PC systems.

PE 113
Front Access • 10 Inches Wide • 5.75 Inches High • 13 Inches Deep • Power Controller
The desktop Shubox accommodates one full- or two half-height 5 1/4" disk or tape drives in enclosure that complements DEC; SUN; IBM PC/XJ/AT, PSZ; Apple.

PE-103
Front Access • 19 Inches Wide • 5.25 Inches High • 24.50 Inches Deep • Stabilizers
Unit includes power supply, shock and vibration mounting hardware, cooling fans, power cable. Also includes thermal monitor and shutdown protection. Available in tabletop or rackmount.

PE110
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 18 Inches Deep • Side Panels • Power Controller
Peripheral enclosure for up to four 5 1/4 peripherals with individual power supplies in rackmount, tabletop or pedestal for DEC, VME, SUN, or PC systems.

PE114
Front Access • 10.25 Inches Wide • 10 Inches High • 12 Inches Deep • Power Controller
The Dual Shubox provides the system builder the capability to configure two full- or four half-height 5 1/4" peripheral in an attractive compact desktop enclosure.

PE116
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 18 Inches Deep • Side Panels • Power Controller
Peripheral enclosure for up to three 5 1/4" peripherals with a 200-watt power supply in rackmount, tabletop or pedestal configurations.

SE 102
Front Access • Rear Access • 19 Inches Wide • 10.5 Inches High • 26.75 Inches Deep • Side Panels • Power Controller
System enclosure for large Micro11/MicroVAX systems with up to five 5 1/4" peripherals supported by 750-watt power supply in rackmount, tabletop, pedestal configuration.

SE-105
Front Access • Rear Access • 16.9 Inches Wide • 10.5 Inches High • 25 Inches Deep • Power Controller
Enclosure provides 12 or 16-slot backplane, 750 watts, mounting for five 5.25" peripherals; will support either MicroVAX II or MicroPDP 11 processors and memory.

SE-108
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 19.75 Inches Deep • Power Controller
Available in rackmountable and tabletop configurations. Features include mounting for two half-high 5.25" peripherals, support for MicroPDP-11 processors, four quad slot backplane.

SE100
19 Inches Wide • 5.25 Inches High • 25 Inches Deep • Side Panels • Power Controller
This system is available in pedestal, tabletop or rackmount versions. Supports Micro11/MicroVAX processors. Has 16-, 18-, 22-bit addressing and multiple drive support.

SE101
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 19.75 Inches Deep • Power Controller
Available in tabletop or rackmount versions. This unit for mounting processor, memory, and controllers. Compatible with DEC Q-bus BA11 enclosures, it accommodates the latest options.

Everest Electronic Equipment

EH-9642-EA
Front Access • Rear Access • 21.25 Inches Wide • 41.75 Inches High • 30 Inches Deep • Side Panels • Power Controller
Used as single bay applications for PDP-11/24 and disk drives. Provides space for up to 24 communication lines.

EH-9642-ES
Front Access • Rear Access • 21.25 Inches Wide • 41.75 Inches High • 30 Inches Deep • Side Panels • Power Controller
Used for a wide variety of general purpose applications where I/O connections are not required.

EH-9645-EA
Front Access • Rear Access • 29.10 Inches Wide • 39.50 Inches High • 30 Inches Deep • Side Panels • Power Controller
For PDP-11/24 and PDP-11/14 systems. Ideal for mounting CPUs, dual disk drives and communication lines.

EH9602-19F
Front Access • Rear Access • 22.56 Inches Wide • 60.42 Inches High • 30 Inches Deep • Side Panels • Power Controller
This model is classified as a 19" corporate style cabinet for standalone or expansion applications that demand structural strength.

EH9602-24F
Front Access • Rear Access • 27.50 Inches Wide • 60.42 Inches High • 30 Inches Deep • Side Panels • Power Controller
This model is classified as a 24" corporate style cabinet and is especially useful for large VAX upgrade applications.

EH9610-F
Front Access • Rear Access • 21.25 Inches Wide • 30.75 Inches High • 30 Inches Deep • Side Panels • Power Controller
Small systems cabinet using PDP-11, small disk drives, and MicroVAX.

EH9642-AF
Rear Access • 21.25 Inches Wide • 41.75 Inches High • 36 Inches Deep • Side Panels • Power Controller
This model is designed for front-loading RA60 disk drives.

EH9642-FA
Front Access • Rear Access • 21.25 Inches Wide • 41.75 Inches High • 30 Inches Deep • Side Panels • Power Controller
Same as model EH9642-AS. This shielded cabinet is also ideal for disk drives, BA-11 expansion boxes, and communication lines.

EH9642-FFL
Front Access • Rear Access • 21.25 Inches Wide • 41.75 Inches High • 30 Inches Deep • Side Panels • Power Controller
A general-purpose front-load unshielded cabinet.

EH9642-JA
Front Access • Rear Access • 26.59 Inches Wide • 41.75 Inches High • 36 Inches Deep • Side Panels
An unshielded micro systems cabinet that offers flexibility for devices requiring more than conventional cooling.

EH9646-ES
Front Access • Rear Access • 21.25 Inches Wide • 58 Inches High • 30 Inches Deep • Side Panels • Power Controller

EH9646-JA
Front Access • Rear Access • 21.25 Inches Wide • 60 Inches High • 30 Inches Deep • Side Panels • Power Controller
Provides front-load shielded rackmount space.

EH9646F
Front Access • Rear Access • 21.25 Inches Wide • 60.25 Inches High • 30 Inches Deep • Side Panels • Power Controller
This model may also be used as an expansion cabinet for larger systems.

EH9647-AA
Front Access • Rear Access • 29.10 Inches Wide • 58 Inches High • 30 Inches Deep • Side Panels • Power Controller
This model is a shielded cabinet for custom configuration requirements. This unit will house expander boxes, disk drives as well as CPUs.

TWIO-SABRE
Front Access • Rear Access • 11.50 Inches Wide • 24.30 Inches High • 31.20 Inches Deep • Side Panels • Stabilizers • Power Controller
Accommodates up to four 8" Sabre series (9720) disk drives from Control Data Corporation utilizing the standard 10.5-inch enclosure.

Hybricon

027-088-04
2.87 Inches Wide • 12.37 Inches High • 10 Inches Deep
Quad size height with four slots.

027-088-08
4.75 Inches Wide • 11.88 Inches High • 10 Inches Deep
Quad size height with eight slots.

027-095-10
6.80 Inches Wide • 12.60 Inches High • 10 Inches Deep
Quad size height with 10 slots.

027-302
7.97 Inches Wide • 5.75 Inches High • 9.45 Inches Deep
Quad size height with 12 slots.

027-372-04
2.87 Inches Wide • 12.37 Inches High • 10 Inches Deep
Quad size height with four slots.

Interlogic Industries

DOV11-B
Expanded version of the standard LSI-11 backplane. Rows A, B, C, and D are dedicated to the LSI-11. Bus slot #1 is reserved for the LSI-11 processor board.

H-9270
This model is a 22-bit backplane and card file with four quad slots designed to accept Q-bus processors, memory boards, and optional modules.

H-9275
This model is an 18- to 22-bit backplane and card file with nine quad slots designed to accept Q-bus-compatible plug-in boards.

H-9278
Wired for 22-bit addressing and equipped with socketed termination resistors. Contains 13 dual Q-22 bus slots and three C-D slots wired for MicroVAX applications.

Kingston Technology Corp.

DC100ex
Front Access • 10.50 Inches Wide • 2.25 Inches High • 10.50 Inches Deep
Data Pack DC100ex. Removable 3.5" drive chassis; SCSI/ESDI or STSOG configuration low profile table top ,ount; lif 25,000 cycles, key lock, ID display designed for OEM's/VAR's.

DC100ex-G
Front Access • 10.50 Inches Wide • 2.25 Inches High • 10.50 Inches Deep
Drive cabinet DC100ex-G. Low profile table to enclosure that provides power and moving for a single 5.25" (half high), or 3.5" (full/half high) peripheral.

DC100i
Front Access • 5.70 Inches Wide • 1.67 Inches High • 7.62 Inches Deep
Data Pack DC100i. Removable 3.5 drive mount, fits in standard 5.25" half high peripheral spaces; lif 25.000 cycles, key lock, ID display, designed for OEMs/VARs.

DC101
Front Access • 8.20 Inches Wide • 5.45 Inches High • 14.80 Inches Deep
Data Commutel DC101. Removable drive chassis, holds 3.5" hard drives; status display, SCSI/ESDI or ST506 configuration, shock mount, key lock designed for VARs/OEMs.

Lion Cabinets

Lion 310
Front Access • Rear Access • 9.9 Inches Wide • 2.75 Inches High • 11.96 Inches Deep • Power Controller
Desktop for 1x 3.5" full-height or 1x 5.25" half-height device. Lion 310 for DEC, Lion 410 for Sun. PSU, FAN, internal 50-pin cable.

Lion 440
Front Access • Rear Access • 16 Inches Wide • 2.84 Inches High • 16 Inches Deep • Power Controller
Desktop enclosure for 4x 3.5" devices. Includes PSU, fans, cables, connectors, and SCSR ident switch.

Lion 505
Front Access • Rear Access • 9.9 Inches Wide • 275 Inches High • 11.96 Inches Deep • Power Controller
Desktop enclosure for 1x half-height 5.25" tape Lion 505 for DEC, Lion 605 for Sun. Includes PSU, fan Internal 50-pin SCSR cable, SCSR ident switch.

Lion 510
Front Access • Rear Access • 9.38 Inches Wide • 5.29 Inches High • 13 Inches Deep • Power Controller
Desktop enclosure for 1x full height 5.25" device, Lion 510 for DEC, Lion 610 for Sun. Includes PSU and fan.

Lion 515
Front Access • Rear Access • 9.38 Inches Wide • 10 Inches High • 13 Inches Deep • Power Controller
Desktop enclosure for 1x 5.25" full height and 1x 5.25" half-height device. Includes PSU, fan, and bulkhead plates.

Lion 520
Front Access • Rear Access • 9.38 Inches Wide • 12 Inches High • 13 Inches Deep • Power Controller
Desktop to mount 2x 5.25" devices vertically.

Lion 520 W
Front Access • Rear Access • 18 Inches Wide • 6.5 Inches High • 15.5 Inches Deep • Power Controller
Desktop enclosure for 2x full-height 5.25" devices. Lions 52D for DEC, Lion 620 for Sun. Includes PSU, fans, SCSR connector panels, fan LED, DC LED.

Lion 530
Front Access • Rear Access • 9.38 Inches Wide • 15.75 Inches High • 13 Inches Deep • Power Controller
Desktop enclosure to mount 3x 5.25" devices vertically.

RM525-D
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 18.80 Inches Deep
19" rackmount enclosure for 5.25" devices includes: PSU, fans, slides, front panel, connector plates.

RM525-Q
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 26.6 Inches Deep • Power Controller
Rackmount enclosure to hold 4x 5.25" devices. Includes: PSM, fans, slides, and connector panels.

UNE-NP
Front Access • Rear Access • 21.25 Inches Wide • 41.62 Inches High • 31.37 Inches Deep • Side Panels • Stabilizers • Power Controller
Front-loading cabinet equipped with top cover and lower front filler panel. Available for 30-40, 60-72-inch height. Also available in non-DEC styling.

UXT-COMMS
Front Access • Rear Access • 21.25 Inches Wide • 60.5 Inches High • 32 Inches Deep • Side Panels • Stabilizers
19" rack cab, plexiglass front door, shelves. Available 30, 40, 60, 72" heights. Also available 22" wide.

SI Tech

3000
Rear Access • 19 Inches Wide • 4.50 Inches High • 12 Inches Deep
This enclosure allows SI Technology's fiber optic and metallic bit-drivers to be mixed and matched.

Sigma Information Systems

SA-H-204
Front Access • 8.75 Inches Wide • 5.8 Inches High • 17.75 Inches Deep • Stabilizers
Compact desktop enclosure for single pluggable drive, supports SCSI or ESDI drives.

SA-H124/Q
Front Access • Rear Access • 7.43 Inches Wide • 26.5 Inches High • 23.25 Inches Deep • Side Panels • Stabilizers
Provides power and mounting for up to four full-sized drives, and backplane for MicroVAX or LSI-11 CPUs.

SA-H158
7.50 Inches Wide • 24 Inches High • 23 Inches Deep • Side Panels
Supports two Fujitsu, two Toshiba, or two CDC drives in a wide tower enclosure with shockmounted brackets.

SA-H159
Front Access • Rear Access • 19 Inches Wide • 5.25 Inches High • 24 Inches Deep • Power Controller
The SA-H159 is the rackmount equivalent to DEC's BA23. Provides write protect and drive status controls and indicators, and mounting for DEC RD54 drives.

SA-H160
Rear Access • 19 Inches Wide • 10.50 Inches High • 24 Inches Deep
The SA-H160 is the rackmount equivalent to DEC's BA123. Provides write protect for two or four DEC drives or four ESDI drives with Sigma's RQD11-EC disk controller.

SA-H162
Front Access • Rear Access • 14.60 Inches Wide • 26.87 Inches High • 28 Inches Deep • Side Panels • Stabilizers • Power Controller
Provides expansion for the BA23 MicroVAX II box with support for four removable drives including Q-bus boards.

SA-H163/3 Series
Front Access • 19 Inches Wide • 5.25 Inches High • 18 Inches Deep • Power Controller
Removable drive expansion enclosure. ESDI, SCSI, SMD, or ST506 disks, featuring switch-selectable capabilities and a write protect for use with Sigma's controllers.

SA-H168/2
Front Access • Rear Access • 19 Inches Wide • 12.25 Inches High • 24 Inches Deep • Stabilizers
Ruggedized, self-contained system chassis that supports three fixed or removable drives. Provides integral MicroVAX patch panel for CPU status, battery back-up, and write protection.

SA-H169
Front Access • Rear Access • 19 Inches Wide • 12.25 Inches High • 26 Inches Deep
Ruggedized, military chassis that supports three drives and one tape cartridge drive. Meets MIL-STD-5541 specifications.

SA-H184
Front Access • 10 Inches Wide • 20.75 Inches High • 20.5 Inches Deep • Side Panels • Stabilizers
Supports up to four 5.25" Winchester drives, including ESDI or SCSI interfaces. Provides internal mounting space and power for a SCSI-ESDI adapter.

SA-H187/2
Front Access • 19 Inches Wide • 5.25 Inches High • 18 Inches Deep
A two-drive expansion chassis designed for applications that require the use of disk drives in rugged environments. Drive canisters include an ESDI or SCSI interface.

SA-H188
Front Access • 19 Inches Wide • 5.25 Inches High • 22.5 Inches Deep
Rackmount chassis that supports four 5 1/4" removable Winchester drives. Chassis contains a front console with write protect and ready switches and LEDs for each drive.

SA-H194
Front Access • 19 Inches Wide • 10.5 Inches High • 26 Inches Deep
Military, ruggedized enclosure meets Mil-Std-167-1, 810D and TEMPEST (optional).

SA-H195
Front Access • 19 Inches Wide • 8.75 Inches High • 21 Inches Deep
Rackmounted, ruggedized enclosure with a swing-up front tray that protects and stores keyboards. Houses two slim line plus three slimline hard disk drives.

SA-H212 Series
7 Inches Wide • 7.12 Inches High • 16.25 Inches Deep • Stabilizers
Desktop SCSI drives, offer four versions.

Summus Computer Systems

SUM-ENC
Front Access • Rear Access • Side Panels • Stabilizers • Power Controller

Trimm Industries

D9602-CA
Front Access • Rear Access • 27.50 Inches Wide • 60 Inches High • 30 Inches Deep • Side Panels • Power Controller
A 24" wide VAX cabinet with 19" setback rails and 5" of useable vertical space for equipment side mounting. Equipped with inside dimensions of 19x52.50x26.75.

D9602-NF
Front Access • Rear Access • 21.25 Inches Wide • 60 Inches High • 30 Inches Deep • Side Panels • Power Controller
Ideal for mounting large GCR tape drives or for large disk installations. Suits Digital's 8000 Series VAX machines and is fully expandable to VAX 8600/8650 CPUs.

D9610-CA
Front Access • Rear Access • 21.25 Inches Wide • 31 Inches High • 30 Inches Deep • Side Panels • Power Controller
This model is a general-purpose cabinet with inside dimensions of 19x24.50x26.75.

D9642-CA
Front Access • Rear Access • 21.25 Inches Wide • 41.64 Inches High • 30 Inches Deep • Side Panels • Power Controller
This model is a front-loading standalone cabinet with inside dimensions of 19x35x26.75.

D9642-CDC
Rear Access • 21.25 Inches Wide • 41.64 Inches High • 30 Inches Deep • Side Panels • Power Controller
This is a horizontal mount tape cabinet with inside dimensions of 19x35x26.75.

D9642-DA
Front Access • Rear Access • 21.25 Inches Wide • 41.64 Inches High • 30 Inches Deep • Side Panels • Power Controller
This model is a front-loading expansion cabinet with inside dimensions of 19x35x26.75.

D9646-CA
Front Access • Rear Access • 21.25 Inches Wide • 61.50 Inches High • 30 Inches Deep • Side Panels • Power Controller
This model is a general-purpose cabinet with inside dimensions of 19x52.50x26.75.

DA 23
Stabilizers
Q-bus compatible with a 350-watt continuous power supply.

DA 5
9.20 Inches Wide • 5.70 Inches High • 13 Inches Deep • Stabilizers
Available with either ST506/ESDI or SCSI/IPI I/O configurations, which allow configuration flexibility.

DA 50-2
19 Inches Wide • 5.25 Inches High • 25 Inches Deep • Stabilizers
The DA 50-2 is a 19" rackmount product that houses two disk drives.

DA 50-4
19 Inches Wide • 5.25 Inches High • 25 Inches Deep • Stabilizers
The DA 50-4 is a 19" rackmount product that houses four disk drives.

DA 80-EMD
19 Inches Wide • 5.25 Inches High • 30 Inches Deep

DA 80-FJ
19 Inches Wide • 5.25 Inches High • 30 Inches Deep
These cabinets mount two drives side by side in a 19" rackmount configuration.

DA523-xxx
19.00" Inches Wide • 10.50 Inches High • 25.13 Inches Deep
Top-access, 12-slot Q-bus CD backplane mounting for up to five 5.25" peripheral drives. Includes a 500-watt power supply for the system and two I/O devices. Individual 50-watt power supplies provide power for additional peripheral drives.

Zoltech Corporation

VCQ-11/Model 11
Front Access • 19 Inches Wide • 5.25 Inches High • 17 Inches Deep • Power Controller
Basic minimum chassis includes sheet metal chassis and AC input assembly. Does not include power supplies, card cages, nor control panels. Available in tower, rackmount versions.

VCQ-11/Model 16
Front Access • 19 Inches Wide • 5.25 Inches High • 17 Inches Deep • Power Controller
Basic mass storage subsystem chassis complete except for the storage devices and I/O cables. Includes rear I/O panel, 100W P/S, DC cages, and mounting kits.

VCQ-11/Model 20
Rear Access • 19 Inches Wide • 5.25 Inches High • 17 Inches Deep • Power Controller

VCQ-11/Model 28
Front Access • 19 Inches Wide • 5.25 Inches High • 17 Inches Deep • Power Controller
Basic card cage chassis include full-function control panel, deluxe I/O panel, 22-bit Q-bus card cage, and an optional C-D interconnect 140W P/S.

VHQ-11/Model 11
Front Access • 19 Inches Wide • 10.50 Inches High • 17 Inches Deep • Power Controller
Basic minimum chassis includes sheet metal chassis and AC input assembly. Does not include power supplies, card cages, nor control panels. Available in tower, rackmount versions.

VHQ-11/Model 16
Front Access • 19 Inches Wide • 10.50 Inches High • 17 Inches Deep • Power Controller
Basic mass storage subsystem chassis complete except for the storage devices and I/O cables. Includes rear I/O panel, 250W P/S, DC cages, and mounting kits.

VHQ-11/Model 20
Rear Access • 19 Inches Wide • 10.50 Inches High • 17 Inches Deep • Power Controller

VHQ-11/Model 28
Front Access • 19 Inches Wide • 10.50 Inches High • 17 Inches Deep • Power Controller
Basic card cage chassis include full function control panel, deluxe I/O panel, 22-bit Q-bus card cage, and an optional C-D interconnect 400W P/S.

VHQ-11/Model 30
Rear Access • 19 Inches Wide • 5.25 Inches High • 17 Inches Deep • Power Controller

VHQ-11/Model 38
Front Access • 19 Inches Wide • 10.50 Inches High • 17 Inches Deep • Power Controller
Basic integrated systems chassis include a 22-bit Q-bus card cage, drive-mounting kits, power cables, a deluxe I/O panel, and a full-function control panel at 250W P/S.

VLQ-11/Model 11
Front Access • 19 Inches Wide • 10.50 Inches High • 25.50 Inches Deep • Power Controller
Basic minimum chassis includes sheet metal chassis and AC input assembly. Does not include power supplies, card cages, nor control panels. Available in tower, rackmount versions.

VLQ-11/Model 30
Rear Access • 19 Inches Wide • 10.50 Inches High • 25.50 Inches Deep • Power Controller
Basic integrated systems chassis includes a 22-bit Q-bus card cage, drive-mounting kits, power cables, a deluxe I/O panel, and a full-function control panel at 500W P/S.

VQ-11/Model 11
Front Access • 19 Inches Wide • 5.25 Inches High • 25.5 Inches Deep • Power Controller
Basic minimum chassis includes sheet metal chassis and AC input assembly. Does not include power supplies, card cages, nor control panels. Available in tower, rackmount versions.

VQ-11/Model 16
Front Access • 19 Inches Wide • 5.25 Inches High • 25.50 Inches Deep • Power Controller
Basic mass storage subsystem chassis complete except for the storage devices and I/O cables. Includes rear I/O panel, 200W P/S, DC cages, and mounting kits.

VQ-11/Model 30
Rear Access • 19 Inches Wide • 5.25 Inches High • 25.50 Inches Deep • Power Controller
Basic integrated systems chassis includes a 22-bit Q-bus card cage, drive-mounting kits, power cables, a deluxe I/O panel, and a full-function control panel at 250W P/S.

ENCLOSURES

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ADAPTERS & CONTROLLERS

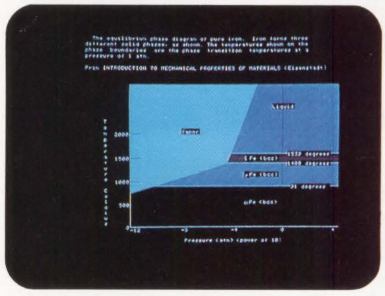
GRAPHICS CONTROLLERS

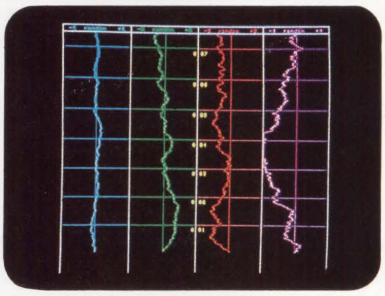
Model	Supported Monitor Size	Color/ Monochrome	Resolution (dpi)	Memory Capacity (Bytes)	GIN Device Support	Terminal Emulation	Equipment Dimensions	Serial/Parallel	Supported CPUs	3-D	Warranty	Price
Digital Instruments Corporation 800 222-IMAX												
QD512 RGB		C	512x512	256K			Q		Q-bus		1 y	$3,940
Metheus Corporation 503 690-1550												
1104		C	1280x1024	2M*	Y*			S*	UNIBUS		1 y	$1,595
1124		C	1024x768	512K					UNIBUS		1 y	$2,195
1128		C	1024x768	1M	Y				UNIBUS		1 y	$2,995
Omega 3600	All	C	1280x1024	5.2M	Y		18.3x11.5x24	P	U/Q		90 d	$17,000+
Omega 3700	All	C	2048x2048	8.4M	Y		18.3x11.5x24	P	U/Q		90 d	$41,500+
Omega 500	All	C	1280x1024	1.3M	Y		17x5.3x21	P	U/Q		90 d	$13,000+
OPPmega 4700	All	C	2048x2048	4.2M	Y		18.3x11.5x24	P	U/Q		90 d	$34,500
Peritek Corporation 415 531-6500												
VCF-Q	19"	C	1280x1024	16M	Y	X Windows	10.4x8.9	S	Q-bus	Y	6 mo	$4,750
VCG-Q	19"	C	512x512	64K			D		Q-bus		6 mo	$1,700
VCH-Q	19"	C	512x512	256K					Q-bus		6 mo	$2,280
VCK-Q/B	19"	C	1024x1024	4M	Y	X Windows	Q		U/Q		6 mo	$3,895
VCM-Q	19"	C	1280x1024	3M	Y	X Windows	5.2x8.9		Q-bus		6 mo	$3,495
VCT-Q	19"	C	1280x1024	16M	Y	X Windows	10.4x8.9	S	Q-bus	Y	6 mo	$8,200
VCW-Q	19"	C	640x512	512K		X Windows	5.2x8.9		Q-bus		6 mo	$1,700
VCX-Q/U	19"	C	512x512	800K	Y		10.4x8.9		U/Q		6 mo	$5,215+
VRA-Q	15"	M		1K					Q-bus		6 mo	$615
VRA-U	15"	M		1K					UNIBUS		6 mo	$670
VRG-Q	15"	M	512x512	16K			5.2x8.9		Q-bus		6 mo	$1,150
VRH-Q	15"	M	1024x1024	64K			5.2x8.9		Q-bus		6 mo	$1,950
VRS-Q	15"	M	512x512	20K			5.2x8.9		Q-bus		6 mo	$1,650
Versatec 800 538-6477												
260 Series		C	1280x1024				17.1x4.6x18.7	P				$5,495

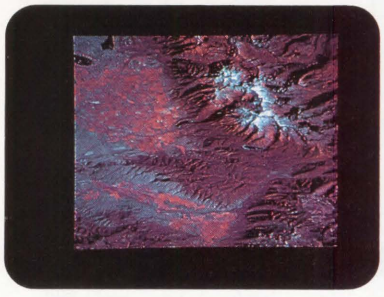
HOST ADAPTERS

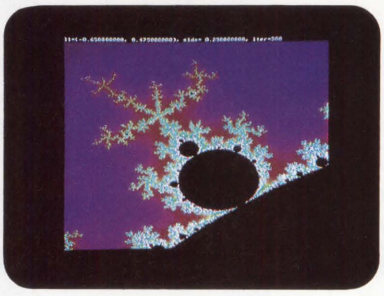
Model	Disk Support	Tape Support	Bus Interface	Data Buffer Size (Bytes)	DMA	Device Interface	Priority Level	Command Buffer	Transfer Rate (bps)	MSCP/TMSCP	Board Size	Warranty	Price
Able Computer 714 553-1188													
EH128									10Mbps		Quad	1 y	$15,750
FP105			Q-bus		Y	RS422	4				Quad	1 y	$2,995
FP110			UNIBUS		Y	RS422	5				Quad	1 y	$3,450
VB512			BIbus		Y		5		1Mbps		Quad	1 y	$3,450
Bit 3 Computer Corporation 612 881-6955													
405			Q-bus				4-7				Quad	1 y	$2,495
431			Q-bus		Y		4-7		1Mbps		Quad	1 y	$2,695

Is Your VAX Flying Blind?









MODEL	BUS & SIZE	PIXEL GRAPHICS PRIMARY	PIXEL GRAPHICS OVERLAY	ALPHA NUMERICS	OTHER FEATURES
VCT	Q-bus, Unibus Quad VME/6U	1024 x 1024 x 24	1024 x 1024 x 4	-	34020, Pan, Zoom Hardware Cursor, SCSI, 4 serial ports
VCF	Q-bus, Unibus Quad VME/6U	1024 x 1024 x 8	1024 x 1024 x 4	-	34020 Pan, Zoom Hardware Cursor, SCSI, 4 serial ports
VCD	Q-bus Quad	1024 x 1024 x 8	1024 x 1024 x 4	-	68030, ACRTC Pan, Zoom Hardware Cursor, 2 serial ports Laser Printer Port
VCM	Q-bus Dual	1024 x 1024 x 8	1024 x 1024 x 4	-	ACRTC, Pan, Zoom Hardware Cursor, 2 serial ports
VCW	Q-bus Dual	640 x 480 x 8		50 x 80 x 2 pages	ACRTC, Hardware Cursor 2 Channels
VCK30	Q-bus, Unibus Quad	1024 x 1024 x 8	1024 x 1024 x 1	64 x 128 x 8 pages	68030, ACRTC, Pan, Zoom, 2 Serial Ports SCSI, DMA

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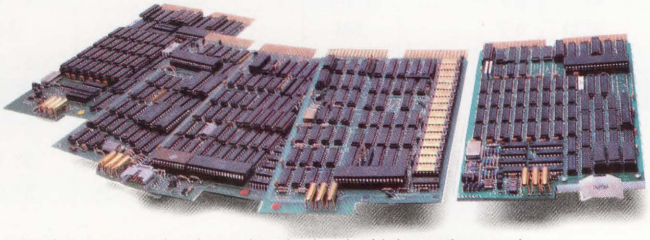
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Intelligent Color Graphics Systems and Software

HOST ADAPTERS

Model	Disk Support	Tape Support	Bus Interface	Data Buffer Size (Bytes)	DMA	Device Interface	Priority Level	Command Buffer	Transfer Rate (bps)	MSCP/TMSCP	Board Size	Warranty	Price
Bit 3 Computer Corporation 612 881-6955 (continued)													
432			Q-bus		Y		4-7		1M		Quad	1 y	$2,695
433			Q-bus		Y		4-7		1M		Quad	1 y	$3,895
445			Q-bus				4-7				Quad	1 y	$2,695
CMD Technology Inc. 714 549-4422													
CDU-700 Series	Y	Y	UNIBUS	16K	Y	SCSI	4/5	Y	2M	Y/Y	HEX	1 y	$1,650+
CDU-710 Series	Y	Y	UNIBUS	16K	Y	SCSI	4/5	Y	2M	Y/Y	Quad	1 y	$1,650+
CDU-712 Series	Y	Y	UNIBUS	16K	Y	SCSI	4/5	Y	2M	Y/Y	Quad	1 y	$1,895+
CDU-720 Series	Y	Y	UNIBUS	Virtual	Y	SCSI	4/5	Y	4.8M	Y/Y	Quad	1 y	$1,850+
CDU-722	Y	Y	UNIBUS	Virtual	Y	SCSI	4/5	Y	4.8M	Y/Y	Quad	1 y	$1,850+
CQD-200 Series	Y	Y	Q-bus	16K	Y	SCSI	4/5	Y	20M	Y/Y	Dual	1 y	$1,250+
CQD-203 Series	Y	Y	Q-bus	16K	Y	SCSI	4/5	Y	2M	Y/Y	Quad	1 y	$1,495
CQD-220 Series	Y	Y	Q-bus	Virtual	Y	SCSI	4/5	Y	4.8M	Y/Y	Dual	1 y	$1,450+
CQD-223 Series	Y	Y	Q-bus	Virtual	Y	SCSI	4/5	Y	4.8M	Y/Y	Quad	1 y	$1,695+
CQD-240 Series	Y	Y	Q-bus	Virtual	Y	SCSI	4/5	Y	4.8M	Y/Y	Quad	1 y	
CQD-240/B Series	Y	Y	Q-bus	Virtual	Y	SCSI	4/5	Y	4.8M	Y/Y	Quad	1 y	
CQD-243 Series	Y	Y	Q-bus	Virtual	Y	SCSI	4/5	Y	4.8M	Y/Y	Quad	1 y	$1,895+
CQD-243/B Series	Y	Y	Q-bus	Virtual	Y	SCSI	4/5	Y	4.8M	Y/Y	Quad	1 y	
Emulex Corporation 714 662-5600													
UC07-III	Y	Y	Q-bus	64K	Y	SCSI	5		2.9M	Y/Y	Quad	1 y	$1,600
UC08	Y	Y	Q-bus	64K	Y	SCSI	5		2.9M	Y/Y	Quad	1 y	$2,050
UC08-III	Y	Y	Q-bus	64K	Y	SCSI	5		2.9M	Y/Y	Quad	1 y	$2,050
UC17	Y	Y	UNIBUS	64K	Y	SCSI	5		2.9M	Y/Y	Quad	1 y	$1,800
UC18	Y	Y	UNIBUS	64K	Y	SCSI	S		2.9M	Y/Y	Quad	1 y	$2,250
Ikon Corporation 206 728-6465													
10077			Multibus I		Y	DR11-W			2M		Multibus I	1 y	$1,200
10083			VERSAbus		Y	DR11-W			6M			1 y	$2,150
10084			VMEbus		Y	DR11-W			2M		6U	1 y	$1,250
10087			Multibus		Y	DR11-W			4M		Multibus I	1 y	$1,450
10089			VMEbus		Y	DR11-W			3.35-6.6M		6U	1 y	$1,500
10093			VMEbus		Y	DR11-W			2M		6U	1 y	$1,600
10094			PC/ATbus		Y	DR11-W			825K		Full PC-AT	1 y	$750
10099			VMEbus		Y	DR11-W			8M		6U	1 y	$2,500
10101			Micro Channel		Y	DR11-W			825K		Full size	1 y	$850
Sigma Information Systems 714 630-6553													
SA-HA11	Y	Y	Q-bus	1M	Y	SASI	4-7	Y	.8M	N/N	Dual	1 y	$354
TD Systems Inc. 508 937-9465													
QDO	Y		Q-bus		Y	SCSI	4		1.5M	Y/N	Dual		$1,395
QDT	Y	Y	Q-bus		Y	SCSI	4		1.5M	Y/Y	Dual		$1,995
QTO		Y	Q-bus		Y	SCSI	4		1.5M	N/Y	Dual		$1,395
TDL-12	Y		Q-bus		Y	SCSI	4		.8M	Y/N	Dual		$695
UDO	Y		UNIBUS		Y	SCSI	4-7		1.5M	Y/N	Quad		$1,595
UDT	Y	Y	UNIBUS		Y	SCSI	4-7		1.5M	Y/Y	Quad		$2,195
UHA-11	Y		UNIBUS		Y	SCSI	4-7		.6M		Quad		$895
UTO		Y	UNIBUS		Y	SCSI	4-7		1.5M	N/Y	Quad		$1,595
U. S. Design Corporation 301 577-2880													
HA-1108	Y	Y	Q-bus			SCSI	4	Y	1.5K	Y/N	HEX	2 y	$1,250
HA-1109	Y	Y	Q-bus			SCSI	4	Y	1.5K	Y/N	HEX	2 y	$1,750
HA-1158	Y	Y	UNIBUS			SCSI	4	Y	900K	Y/N	Quad	2 y	$1,500

IEEE-488 CONTROLLERS

Model	Talker/ Extended Talker	Listener/ Ext. Listener	Min. DMA Transfer Rate (bps)	Source/Acceptor Handshaking	Pass/Receive Control	Max. DMA Transfer Rate (bps)	Serial/Parallel	System Controller	Supported CPUs	Equipment Dimensions	Warranty	Price
National Instruments Corp. 512 794-0100												
GPIB-MV3000	Y/Y	Y/Y	50K	Y/Y	Y/Y	400K	Y/Y	Y	Q-bus	5.2x8.4	2 y	$2,185
GPIB-MVII	Y/Y	Y/Y	50K	Y/Y	Y/Y	400K	Y/Y	Y	Q-bus	5.2x8.4	2 y	$1,995
GPIB-SCSI	Y/Y	Y/Y		Y/Y	Y/Y	900K	Y/Y	Y	SCSI	5.7x1.6x8.4	2 y	$695+
GPIB-VAX 3100-V	Y/Y	Y/Y		Y/Y	Y/Y	900K	Y/Y	Y	RISC	5.7x1.6x8.4	2 y	$1,420+
GPIB11-1	Y/Y	Y/Y	250K	Y/Y	Y/Y	60K	Y/Y	Y	UNIBUS	10.5x9	2 y	$1,395+
GPIB11-2	Y/Y	Y/Y	250K	Y/Y	Y/Y	500K	Y/Y	Y	UNIBUS	15.7x8.4	2 y	$2,245
GPIB11V-1	Y/Y	Y/Y		Y/Y	Y/Y	50K	Y/Y	Y	Q-bus	5.2x9	2 y	$795+
GPIB11V-2	Y/Y	Y/Y	50K	Y/Y	Y/Y	400K	Y/Y	Y	Q-bus	5.2x8.4	2 y	$1,495+

PRINTER CONTROLLERS

Model	# of Printers Supported	Memory (Bytes)	Printing Speed	Supported CPUs	Resolution (dpi)	Data Transfer Rate	Software Support	Serial/Parallel	Printers Controlled	Board Size	Warranty	Price
Able Computer 714 553-1188												
PS100	1		9K+lpm	UNIBUS		1Mbps	VMS	DP	Printronix	Quad	1 y	$1,650
Advanced Technologies International 408 942-1780												
DW-2		768K	8-26ppm		300			S/P				$4,990+
DW-3		2M	8-26ppm		300			S/P				$3,990+
LC-6000		8M	60ppm		7200			S/DP	LC-6026			$10,500
Advanced Vision Research 408 434-1115												
TIGer-EMS		2M		PC's	300				HP/Ricoh			$1,345
Computer Products Inc. 305 974-5500												
GT361				Q-bus			LPV11	DP/P	DP			
GT361T				Q-bus			LPV11	DP/P		Dual		$395
Dyna Five Corporation 714 525-8795												
D5-LP100				Q-bus		300Kcps		P/DP				
Gold Key Electronics Inc. 603 625-8518												
LN2-HP1 Printer Control	2		10		300		LN03	S	HP		1 y	$549
LN2-XE1	2		10		300		LN03	S	Xerox		1 y	$549
LN3-HP1 Printer Control	2		10		300		LN03	S	HP		1 y	$749
LN3-XE1	2		10		300		LN03	S	Xerox		1 y	$749
LN6-HP2	2		10		300		LN03	S	HP		1 y	$1,295
LN6-XE2	2		10		300		LN03	S	Xerox		1 y	$1,295
Talaris Systems Inc. 619 587-0787												
PCS		6M	50ppm		300	.8Mbps	C	S/P	Xerox			
Tartan Technical Inc. 508 250-9341												
Sprint It	1	64K		Q-bus				S/P		Quad	1 y	
The Logical Company 503 942-3610												
PCQ-1000	1		400	Q-bus		60	VMS/ULTRIX	P	Centronics	Quad	1 y	$1,595
PCQ-2000	2		200 ppm	Q-bus		60K		P	Centronics	Quad	1 y	$1,995
PCU-1000	1	256	11Kcps	UNIBUS			VMS	P	Centronics	Quad	1 y	$1,100
Xyplex Inc. 800 338-5316												
MX-MAX1400-E	4	5M	4000lpm			38.4K	LAT, TCP/IP	S/P	Centronics		3y	
Network Printer	2	5M	3000lpm			38.4K	LAT, TCP/IP	S/P	Centronics		3y	$995

SPECIAL FUNCTION BOARDS

Model	Memory Capacity (Bytes)	MPU	Supported CPUs	DMA Interface	Board Size	Function	Price
Adac Corporation 617 935-6668							
1604			Q-bus		H/Q	Counts and stores input impulses from four separate sources.	
1616/MIC			Q-bus		H/Q	Expands the interrupt capability of the LSI-11 systems.	
1616/OII			Q-bus		H/Q	Isolates discrete inputs from Q-bus hosts.	
1616/OIO			Q-bus		H/Q	Isolates discrete inputs from Q-bus hosts.	
1616CCI			Q-bus		H/Q	Detects contact closure on any or all of 16 discrete input lines.	
1622DMA			Q-bus	Y	H/Q	Allows external TTL devices operate with Q-bus hosts.	
Aeon Systems Inc. 505 828-9120							
8310	8M		rtVAX 300	Y	6U		
8482			BIbus	Y		Connects the BIbus to a front-end VME system.	$15,495
8500			Q/B			TTL/CMOS compatible daughterboard.	$2,495
8510			BIbus	Y		Multiplexes virtual connections to alternate backplane buses.	$9,995
8520			Q-bus	Y	Quad	Multiplexes virtual connections to alternate backplane buses.	$7,495
Avalon Computer Systems 805 965-9559							
AP/30	80M	1			H/Q	Offloads CPU-bound applications from VMS/VAX	$15,900
AP/30M08	8M	Y	U/Q	Y	H/Q	Offloads demands from UNIBUS and Q-bus hosts.	$19,300
AP/30M12	12M	Y	U/Q	Y	H/Q	Offloads demands from UNIBUS and Q-bus hosts.	$22,700
AP/30M16	16M	Y	U/Q	Y	H/Q	Offloads demands from UNIBUS and Q-bus hosts.	$26,100
AP/30M32	32M	Y	U/Q	Y	H/Q	Offloads demands from UNIBUS and Q-bus hosts.	$39,700
AP/30M64	64M	Y	U/Q	Y	H/Q	Offloads demands from UNIBUS and Q-bus hosts.	$66,900
Camintonn Corporation 714 553-0247							
CM-MXV11-B			Q-bus		Dual	Multifunction board with dual serial ports.	
Digital Data Systems Inc. 305 792-3290							
DDS-UFUM	1M		UNIBUS		HEX	High speed Memory 5ns access time	$3,000
HC70	2M		PDP 11/UNIBUS		HEX	100% Cache hit rate.	$9,000
PEP-70	2-4M		UNIBUS	Y	HEX	High speed memory.	$17,000+
SC-44	1M		UNIBUS				$4,995
USI/HSR			UNIBUS			Allows maximum UNIBUS utilization and freedom.	$3,000
Digital Technology Inc. 513 443-0412							
BIU-153BI	64K		VAXBI			Emulates MIL-STD-1553 terminals on a single bus interface.	
BIU-183BI	64K		VAXBI			Emulates & Tests MIL-STD-1883 terminals	
BIU-53Q	16K		Q-bus			Emulates MIL-STD-1553 terminals on a single bus interface.	
BIU-55Q			Q-bus			Provides "logic-analyzer" functions.	
DTI-2162	64K		Q-bus			Emulates & Tests MIL-STD-1883 terminals	
DSP Technology Inc. 415 657-7555							
CC-DR11			Q/U/B	Y		Interfaces to external ports of DR11-W or DRV-11WA modules.	
Heritage Communication Systems 602 780-1497							
EMMA	16K		U/Q			Allows programs to be written in native VT220/320 mode.	$399
Hybricon 508 772-5422							
031-010-01			UNIBUS		HEX	Wire wrap board for high speed logic and analog applications.	$288
031-014-01			Q-bus		Dual	Extender card with two sided construction.	$120
031-014-02			Q-bus		Quad	Extender card with two sided construction.	$204
031-014-03			UNIBUS		HEX	Extender card with two sided construction.	$319
031-020			Q-bus		Quad	Wire wrap board for high speed logic and analog applications.	$439
031-032-03			UNIBUS		HEX	Extender card with multilayer construction.	$487
031-033						Wire wrap board for high speed logic and analog applications.	$865
031-043			UNIBUS		HEX	Wire wrap board for high speed logic and analog applications.	$649
031-055			Q-bus		Quad	Wire wrap board for high speed logic and analog applications.	$206

SPECIAL FUNCTION BOARDS

Model	Memory Capacity (Bytes)	MPU	Supported CPUs	DMA Interface	Board Size	Function	Price
Hybricon 508 772-5422 (continued)							
031-063					Dual	Wire wrap board for high speed logic and analog applications.	$118
031-066			Q-bus		Dual	Wire wrap board for high speed logic and analog applications.	$595
031-078-02			Q-bus		Dual	Extender card with multilayer construction.	$464
031-078-03			UNIBUS		HEX	Extender card with multilayer construction.	$651
067-106			Q-bus		Dual	Twelve slot backplane with power and ground I/O on barrier strip.	
067-178			Q-bus		HEX	Nine slot backplane with power and ground I/O on barrier strip.	
KSI-Division of Odetics 915 598-9769							
AITG			Q-bus		Dual	Propagation delay-corrected IRIG-B time base generator.	$1,750
AITG-U			UNIBUS		Quad	Propagation delay-corrected IRIG-B time base generator.	$1,750
KTL-100			Q-bus		Dual	Emulates a VT100 with advanced video option.	$660
TFL-100			Q-bus		Dual	Emulates a VT100 with advanced video option.	$740
VTTR-U			UNIBUS			Event time freeze register, IRIG-B reader, time match detector.	$1,750
Nemonix Inc. 800 435-8650							
NX0008-SCA			UNIBUS			Increases CPUs information processing up to 25%.	
Optivision Inc. 916 756-4429							
Optibus-DR11			U/Q		Quad	Transparent fiber optic extender for the DR11-W interface.	$3,300
Peritek Corporation 415 531-6500							
DMA-Q	Y		Q-bus	Y	Dual	High performance board for general purpose applications.	$575
FDI-Q	Y		LSI-11	Y		Supports 3.5", 5.25"	
HEX-Q			LSI-11	Y	Dual	Creates a combined DMA and PIO data path among processors.	$4,455
Systems Concepts Inc. 415 984-1000							
IU-11			UNIBUS	Y		Interfaces to mainframe peripherals	
The Logical Company 503 942-3610							
BCQ-1000			Q-bus	Y	Quad	Q-bus Extension/Conversion	$1,295
BCU-1000			UNIBUS	Y	Quad	UNIBUS Extension/conversion	$1,295
DCQ-1000			Q-bus	Y	Quad	DRV11-WA fiber optic.	$1,295

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Graphics Controllers

Digital Instruments Corporation

QD512 RGB
512x512 dpi Resolution • Q-bus Supported • 1 y Warranty
The QD512 RGB color imaging and display board is supplied with extensive callable drivers in VMS or RT-11 allowing custom imaging packages to be assembled quickly.

Metheus Corporation

1104
1280x1024 dpi Resolution • UNIBUS Supported • 1 y Warranty

1124
1024x768 dpi Resolution • UNIBUS Supported • 1 y Warranty

1128
1024x768 dpi Resolution • GIN Device Support • UNIBUS Supported • 1 y Warranty
Available with TGRAF software as a standard feature that allows any PC to be used as a serial-connected Tek 4107-, 4115-, or 4125-compatible terminal. Emulate IBM CGA, EGA, or VGA display modes.

Omega 3600
All Monitors Supported • 1280x1024 dpi Resolution • GIN Device Support • U/Q Supported • 90 d Warranty
For image processing, simulation, C3I and CAD/CAM system builders. Expandable from eight- to 32-bit planes. Features pixel fill at 160 million pixels/sec.

Omega 3700
All Monitors Supported • 2048x2048 dpi Resolution • GIN Device Support • U/Q Supported • 90 d Warranty
Same as the 3600 but also features 2Kx2K resolution. Expandable from four- to 16-bit planes, features pixel fill rate of 384 million pixels/sec.

Omega 500
All Monitors Supported • 1280x1024 dpi Resolution • GIN Device Support • U/Q Supported • 90 d Warranty
Features pan and zoom and a 30 million pixel/sec. fill rate and displays 256 colors from a palette of 16.7 million.

OPPmega 4700
All Monitors Supported • 2048x2048 dpi Resolution • GIN Device Support • U/Q Supported • 90 d Warranty
Multiple resolution version of 3600 and 3700, resolution up to 2048x2048. Expandable to 32-bit planes.

Peritek Corporation

VCF-Q
19" Monitor Supported • 1280x1024 dpi Resolution • GIN Device Support • X Windows Emulation • Q-bus Supported • 3-D • 6 mo Warranty
Features 2048x1024 address bits, 8-bit graphics and memory, 4-bit graphics overlay, 2-bit cursor, advanced graphics coprocessor and hardware zoom and pan.

VCG-Q
19" Monitor Supported • 512x512 dpi Resolution • Q-bus Supported • 6 mo Warranty
Features block or line-by-line addressing, a 4096 color palette, and is available with graphics subroutine packages. Also supports 13" monitors.

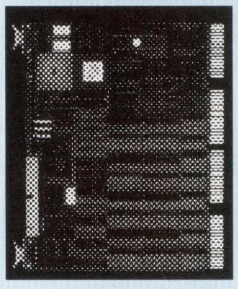
VCH-Q
19" Monitor Supported • 512x512 dpi Resolution • Q-bus Supported • 6 mo Warranty
The VCH-Q displays 256 out of 16 million colors; dual height board. Also available with subroutine packages. Also supports 13" monitors.

VCK-Q/B
19" Monitor Supported • 1024x1024 dpi Resolution • GIN Device Support • X Windows Emulation • U/Q Supported • 6 mo Warranty
Designed for high-resolution true color applications. Features include 1024x1024x8 graphics plus graphics and alpha overlays, ACRTC, hardware zoom and pan.

VCM-Q
19" Monitor Supported • 1280x1024 dpi Resolution • GIN Device Support • X Windows Emulation • Q-bus Supported • 6 mo Warranty
Features 2048x1024 address bits, 8-bit graphics and memory, 4-bit graphics overlay, 2-bit cursor, advanced graphics controller chip and hardware zoom and pan.

Peritek Corporation

Peritek



VCT-Q
19" Monitor Supported • 1280x1024 dpi Resolution • GIN Device Support • X Windows Emulation • Q-bus Supported • 3-D • 6 mo Warranty
■ The VCT-Q is a Q-bus 24-bit graphics controller. It uses the TMS 34020 high-performance graphics processor. The VCT-Q supports "true color" or "pseudo-color" modes. Fill rate is 7M pixels per/sec. True color vector drawing speed ranges from 350,000 pixels per/sec for 10-pixel vectors to 3.5M pixels per/sec for 500-pixels vectors. It supports a 1024x1024x24 bits/pixel primary graphics display with a 1024x1024x4 bits/pixel graphics overlay. SCSI port, four serial I/O ports and hardware cursor are included. Supports 19" monitor. Pricing begins at $8,200.

VCW-Q
19" Monitor Supported • 640x512 dpi Resolution • X Windows Emulation • Q-bus Supported • 6 mo Warranty
Options include one or two display channels, graphics cursors, 4- or 8-bit graphics and color alpha overlay, and an intelligent graphics controller chip. Also supports 13" monitors.

VCX-Q/U
19" Monitor Supported • 512x512 dpi Resolution • GIN Device Support • U/Q Supported • 6 mo Warranty
Designed for true color applications; displays any of 16 million colors at any moment. Includes color alphanumeric overlay and is supported by graphics subroutine software.

VRA-Q
15" Monitor Supported • Q-bus Supported • 6 mo Warranty

VRA-U
15" Monitor Supported • UNIBUS Supported • 6 mo Warranty
High-performance alphanumeric display devices for information handling on a CRT monitor. Allow direct, low overhead random access to all display positions on the screen.

VRG-Q
15" Monitor Supported • 512x512 dpi Resolution • Q-bus Supported • 6 mo Warranty
Features block or line-by-line addressing. The graphics and alphanumeric displays can be blanked independently without changing the images stored in the memory.

VRH-Q
15" Monitor Supported • 1024x1024 dpi Resolution • Q-bus Supported • 6 mo Warranty
This board simultaneously supports 1024x1024 graphics and 128-character x 64-line alpha. Alpha includes RAM-programmable character sets and multipage display.

VRS-Q
15" Monitor Supported • 512x512 dpi Resolution • Q-bus Supported • 6 mo Warranty
Features block or line-by-line addressing. The graphics and alphanumeric displays may be blanked independently without changing the images stored in the memory.

Versatec

260 Series
1280x1024 dpi Resolution
Video hard copy controller that converts video analog data displayed on a monitor to Versatec parallel data and then drives Versatec electrostatic and thermal plotters.

Host Adapters

Able Computer

EH128
1 y Warranty
This Ethernet/LAT Terminal Server provides 128 ports of access to any Ethernet supporting LAT. Emulates DECserver 550 Terminal Servers.

FP105
Q-bus Supported • DMA • RS422 Supported • 1 y Warranty
This Q-bus host server emulates up to 16 DEC DHV-11 interfaces providing 128 ports of access to any Q-bus host with single quad-size module.

FP110
UNIBUS Supported • DMA • RS422 Supported • 1 y Warranty
This UNIBUS host server emulates up to eight DEC DHV-11 interfaces, providing 128 ports of access to any UNIBUS host with single hex-sized module.

VB512
BIbus Supported • DMA • 1 y Warranty
This VAX BI host server permits connection of any EASYway network to any of DEC's BIbus machines. Supports up to 512 virtual circuits.

Bit 3 Computer Corporation

405
Q-bus Supported • 1 y Warranty
IBM PC/AT to Q-bus adaptor. Allows the PC/AT to become a bus master processor on the Q-bus. Dual port RAM to 1MB. Cables to 25 feet; LLDRVR to 300 feet.

431
Q-bus Supported • DMA • 1 y Warranty
The 431 connects an IEEE 796 Multibus system to the Q-bus. Memory-mapped interface. Optional dual-port RAM to 1MB.

432
Q-bus Supported • DMA • 1 y Warranty
The 432 connects an IEEE 1014 VMEbus system to the Q-bus. Memory-mapped interface. Optional dual-port RAM to 1MB.

433
Q-bus Supported • DMA • 1 y Warranty
The 433 connects two Q-bus systems. Master/Master or Master/Slave. Cables to 50 feet; LLDRVR to 300 feet. Dual-port RAM to 1MB.

445
Q-bus Supported • 1 y Warranty
Allows the PS/2 a bus master on the Q-bus. Cables to 25 feet; LLDRVR to 300 feet. Dual-port RAM to 1MB.

CMD Technology Inc.

CDU-700 Series
Disk Drive Support • Tape Drive Support • UNIBUS Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
UNIBUS SCSI host adapter, asynchronous, hex-wide for standard peripheral devices. Available in disk (M), tape (T), or disk and tape (TM) configurations.

CDU-710 Series
Disk Drive Support • Tape Drive Support • UNIBUS Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
UNIBUS SCSI host adapter, asynchronous, quad-wide for standard peripheral devices. Available in disk (M), tape (T), or disk and tape (TM) configurations.

CDU-712 Series
Disk Drive Support • Tape Drive Support • UNIBUS Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
UNIBUS SCSI host adapter, asynchronous, quad-wide, single-ended or differential for standard peripheral devices available in disk (M), tape (T), or disk and tape configurations.

CDU-720 Series
Disk Drive Support • Tape Drive Support • UNIBUS Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
UNIBUS SCSI host adapter asynchronous/synchronous, quad-wide for standard peripheral devices. Available in disk (M), tape (T) or disk and tape (TM) configurations.

CDU-722
Disk Drive Support • Tape Drive Support • UNIBUS Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
UNIBUS SCSI host adapter, asynchronous/synchronous quad-wide, single-ended or differential for standard peripheral devices. Available in disk (M), tape (T) or disk and tape (TM) configurations.

CQD-200 Series
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
Q-bus SCSI host adapter. Asynchronous, dual-wide, for standard peripheral devices. Available in disk only (M), tape only (T), or disk and tape configurations (TM).

CQD-203 Series
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
Q-bus SCSI host adapter, asynchronous, quad-wide version provides full compatibility with MicroVAX 3000, 5400 systems. Disk only (M), tape only (T), or disk and tape (TM) configurations.

CQD-220 Series
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
Q-bus SCSI host adapter asynchronous/synchronous, dual-wide; highest performance board available for standard peripheral devices. Disk only (M), tape only (T), or disk and tape (TM) configurations.

CQD-223 Series
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
Q-bus SCSI host adapter asynchronous/synchronous quad-wide version provides full compatibility with MicroVAX 3000, 5400 systems. Disk only (M), tape only (T), disk and tape (TM) configurations.

CQD-240 Series
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
Q-bus SCSI host adapter asynchronous/synchronous, quad-wide, differential or single-ended, supports up to seven devices. Disk (M), tape (T), or disk and tape (TM) configurations.

CQD-240/B Series
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
Q-bus SCSI host adapter asynchronous/synchronous, quad-wide two single-end ports and differential. Supports up to 14 devices. Disk (M), tape (T), or disk and tape (TM) configuration.

CQD-243 Series
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
Synchronous/asynchronous quad-wide, differential or single-ended. Supports up to seven devices. Full compatibility with MicroVAX 3000, 5400. Disk only (M), tape only (T), or disk and tape (TM).

CQD-243/B Series
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • Command Buffer • 1 y Warranty
Asynchronous/synchronous, quad-wide, two single-ended ports and differential. Supports 14 devices. Full compatibility with MicroVAX 3000, and 5400. Disk (M), tape (T), or disk and tape (TM).

Emulex Corporation

UC07-III
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • 1 y Warranty
Same as UC07, but designed for MicroVAX 3xxx series using the BA213 enclosure. The "daughterboard" handle arrangement includes a transition panel for cable adaption.

UC08
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • 1 y Warranty
UC08 is two individual UC07 on one board. Each of the two independent controller interfaces is switch-selectable between MSCP and TMSCP.

UC08-III
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported • 1 y Warranty
Same as UC08, but designed for MicroVAX 3xxx series using the BA213 enclosure. The "daughterboard" handle arrangement includes a transition panel for cable adaption.

UC17
Disk Drive Support • Tape Drive Support • UNIBUS Supported • DMA • SCSI Supported • 1 y Warranty
Functions as a link between SCSI devices and UNIBUS; single controller with one SCSI bus connection supporting up to seven SCSI disks or tape devices.

UC18
Disk Drive Support • Tape Drive Support • UNIBUS Supported • DMA • SCSI Supported • 1 y Warranty
Functions as link between SCSI devices and UNIBUS; two devices on one board that can operate independently to support 14 disk or tape devices.

Ikon Corporation

10077
Multibus I Supported • DMA • DR-11 Supported • 1 y Warranty

10083
VERSAbus Supported • DMA • DR11-W Supported • 1 y Warranty
Used as a general purpose peripheral DMA interface for the VERSAbus and as an interprocessor link to DEC or other CPUs via DEC's DR11-W.

10084
VMEbus Supported • DMA • DR11-W Supported • 1 y Warranty

10087
Multibus Supported • DMA • DR11-W Supported • 1 y Warranty
Used as a general-purpose peripheral DMA interface for the Multibus and as an interprocessor link to DEC or other CPUs via DEC's DR11-W.

10089
VMEbus Supported • DMA • DR11-W Supported • 1 y Warranty

10093
VMEbus Supported • DMA • DR11-W Long-Lines Supported • 1 y Warranty
Used as a general purpose peripheral DMA interface for the VMEbus and as an interproceesor link to DEC or other CPUs via DEC's DR11-W long lines interfaces.

10094
PC/ATbus Supported • DMA • DR11-W Supported • 1 y Warranty
Used as a general purpose peripheral DMA interface for the PC/AT and as an interprocessor link to DEC or other CPUs via DEC's DR11-W.

10099
VMEbus Supported • DMA • DR11-W Supported • 1 y Warranty
Used as a general purpose peripheral DMA interface for the VMEbus and an interprocessor link to DEC or other CPUs via DEC's DR11-W.

10101
Micro-Channel Supported • DMA • DR11-W Supported • 1 y Warranty
Used as a general-purpose peripheral DMA interface for the u-channel (PS/Z) and as an interproceesor link to DEC or other CPUs via DEC's DR11-W.

Sigma Information Systems

SA-HA11
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SASI Supported • Command Buffer • 1 y Warranty
Supports up to eight SASI bus devices, plugs directly into any contiguous Q-bus slot.

TD Systems Inc.

QDO
Disk Drive Support • Q-bus Supported • DMA • SCSI Supported

QDT
Disk Drive Support • Tape Drive Support • Q-bus Supported • DMA • SCSI Supported

QTO
Tape Drive Support • Q-bus Supported • DMA • SCSI Supported

TDL-12
Disk Drive Support • Q-bus Supported • DMA • SCSI Supported
The TDL-12 provides RLV-12 emulation.

UDO
Disk Drive Support • UNIBUS Supported • DMA • SCSI Supported

UDT
Disk Drive Support • Tape Drive Support • UNIBUS Supported • DMA • SCSI Supported

UHA-11
Disk Drive Support • UNIBUS Supported • DMA • SCSI Supported
The UHA-11 provides RL-11 emulation.

UTO
Tape Drive Support • UNIBUS Supported • DMA • SCSI Supported

U. S. Design Corporation

HA-1108
Disk Drive Support • Tape Drive Support • Q-bus Supported • SCSI Supported • Command Buffer • 2 y Warranty

HA-1109
Disk Drive Support • Tape Drive Support • Q-bus Supported • SCSI Supported • Command Buffer • 2 y Warranty

HA-1158
Disk Drive Support • Tape Drive Support • UNIBUS Supported • SCSI Supported • Command Buffer • 2 y Warranty

IEEE-488 Controllers

National Instruments Corp.

GPIB-MV3000
50K bps Min. DMA Transfer Rate • System Controller • Q-bus Supported • 2 y Warranty
This completely configured kit includes GPIB11V-2 board, VMS multiboard software handler in source code, mounting bracket, interconnecting cable, dual filler panel, and complete documentation.

GPIB-MVII
50K bps Min. DMA Transfer Rate • System Controller • Q-bus Supported • 2 y Warranty
Designed for the MicroVAX II system, this GPIB interface kit includes the GPIB11V-2 interface board, GPIB11 DEC software, internal cables and complete documentation.

National Instruments Corp.

NATIONAL INSTRUMENTS®
The Software is the Instrument™



GPIB-VAX 3100-V
System Controller • RISC Supported • 2 y Warranty
■ Equips a VAXstation 3100 system running VMS v.5.3 or higher as a high-performance instrument controller. The GPIB-VAX3100-V kit includes an external SCSI-to-GPIB converter box, high-level multitasking software driver, and complete documentation. The GPIB-SCSI connects to the SCSI port and transparently converts SCSI protocol into GPIB protocol to control up to 14 GPIB instruments. The GPIB-SCSI has transfer rates up to 900 Kbytes/sec. and a 64K RAM buffer that frees the SCSI bus for other tasks while the GIPB is used. The driver software is a set of fast, high- and low-level functions that installs as a VMS device driver. It is completely compatible with other National Instruments VMS drivers so existing applications can be ported without modification.

GPIB-SCSI
System Controller • SCSI Supported • 2 y Warranty
Full-function GPIB/SCSI external controller can turn any computer with SCSI port into GPIB controller, or make any device on the SCSI bus look like GPIB device.

GPIB11-1
250K bps Min. DMA Transfer Rate • System Controller • UNIBUS Supported • 2 y Warranty
Designed for PDP-11 system; source code included for RT and RSX operating systems; UNIX handler is optional. Includes support for BASIC, FORTRAN, MACRO, C and Pascal.

GPIB11-2
250K bps Min. DMA Transfer Rate • System Controller • UNIBUS Supported • 2 y Warranty
Hex-height board with DMA transfers and data block length up to 64Kbytes. Source code offered for RT, RSX, VMS, and UNIX. Multiboard software options available.

GPIB11V-1
System Controller • Q-bus Supported • 2 y Warranty
Dual-height board with source code included for RT and RSX operating system; UNIX handler optional. Includes support for BASIC, FORTRAN, MACRO, C, and Pascal.

GPIB11V-2
50K bps Min. DMA Transfer Rate • System Controller • Q-bus Supported • 2 y Warranty
A high-performance interface with DMA transfers and 22-bit addressing. Software available for RT, RSX, VMS, VAXELN, MicroPower/Pascal, ULTRIX, and UNIX operating systems.

Printer Controllers

Able Computer

PS100
1 Printer Supported • UNIBUS Supported • 1 y Warranty
Equipped with multidrop feature that allows addition or removal of servers without network disruption. Compatible with all Easyway host and terminal servers. Controls DataProduct printers.

Advanced Technologies International

DW-2
300 dpi Resolution
Features a page description language (LaserDRIVE) that enables users to generate graphics, bar codes, and merging text and graphics on one page. Also features master fonts which may be used to create over 1000 custom fonts.

DW-3
300 dpi Resolution
Designed to perform a full range of applications from basic data processing to advanced plotter graphics. Drives ATI's 0880, 1570, and the 2670 laser printers.

LC-6000
7200 dpi Resolution

Advanced Vision Research

TIGer-EMS
PCs Supported • 300 dpi Resolution
Bundled support memory-management software included to integrate text, images, and graphics. Serves as a scanner buffer, image buffer, and a printer buffer. Supports PDLI.

Computer Products Inc.

GT361
Q Supported
Equipped with user-selectable features including parity select and upper-to-lower and lower-to-upper character conversion.

GT361T
Q Supported
Interfaces the Tektronix 4693D Color Image Printer to the LSI-11 and MicroVAX systems. Supports four-level interrupts, 22-bit addressing with selectable vector and base address.

Dyna Five Corporation

D5-LP100
Q Supported
Features internal self test, switch-selectable device addresses, and switch-selectable interrupt address vectors.

Gold Key Electronics Inc.

LN2-HP1 Printer Controller
2 Printers Supported • 300 dpi Resolution • 1 y Warranty
LN03 emulation supports DEC Systems to the HP LaserJet as if they were using an LN03 while providing sharing of IBM PCs, etc.

LN2-XE1
2 Printers Supported • 300 dpi Resolution • 1 y Warranty
SWITCHmate 4045 provides LN03 emulation for DEC Systems to the Xerox 4045, therefore supporting DEC applications on third party printers (Xerox).

LN3-HP1 Printer Controller
2 Printers Supported • 300 dpi Resolution • 1 y Warranty
LN03 emulation supports DEC systems to the HP LaserJet as if they were using an LN03, plus providing and sharing for three systems.

LN3-XE1
2 Printers Supported • 300 dpi Resolution • 1 y Warranty
SWITCHmate 4045 provides LN03 emulation for DEC systems to the Xerox 4045 printer, while allowing three systems to share the printer.

LN6-HP2
2 Printers Supported • 300 dpi Resolution • 1 y Warranty
LN03 emulation allows DEC Systems to use the HP LaserJet as if they were using an LN03, plus allows sharing for six systems.

LN6-XE2
2 Printers Supported • 300 dpi Resolution • 1 y Warranty
SWITCHmate 4045 provides LN03 emulation for DEC systems to use the Xerox 4045, while allowing six systems to share one or two printers.

Talaris Systems Inc.

PCS
300 dpi Resolution
Single-board laser printer controller with dual processing architecture. The standard C programming environment facilitates programming changes, should they be required by new hardware. Available with Image Processing option.

Tartan Technical Inc.

Sprint It
1 Printer Supported • Q Supported • 1 y Warranty
Supports the PDP-11/73 and the MicroVAX I, II, and III. Features DMA, optimized bus handling, and on-board buffering.

The Logical Company

PCQ-1000
1 Printer Supported • Q-bus Supported • 1 y Warranty
Single port high speed parallel printer controller for DEC terminal servers and MicroVAX.

PCQ-2000
2 Printers Supported • Q-bus Supported • 1 y Warranty
Dual-port high-speed parallel printer controller for DEC terminal servers and MicroVAX.

PCU-1000
1 Printer Supported • UNIBUS Supported • 1 y Warranty
High-speed parallel line printer controller emulating the printer functions of a DMF32 providing on-board character formatting contained on a single-quad UNIBUS module.

Xyplex Inc.

MX-MAX1400-E
4 Printers Supported • 3 y Warranty
MAXserver 1400 print server allows printers attached to the card to be simultaneously shared between LAT and UNIX hosts installed on the local or extended Ethernet.

Network Printer
2 Printers Supported • 3 y Warranty
The Network printer card allows printers attached to the card to be simultaneously shared between LAT and UNIX hosts, installed on the local or extended Ethernet.

Special Function Boards

Adac Corporation

1604
Q-bus Supported
Counts input impulses from four separate sources and stores the results into 16-bit storage registers. Ideally suited for rotation/pulse event and similar measurements.

1616/MIC
Q-bus Supported
Expands the interrupt capability of the LSI-11 systems and accepts inputs from up to 16 external devices and passes them through a priority encoder before requesting an interrupt on the bus.

1616/OII
Q-bus Supported

1616/OIO
Q-bus Supported
The 1616/OII and 0I0 provide a means of isolating discrete outputs from the computer bus.

1616CCI
Q-bus Supported
Detects contact closure on any or all of 16 discrete input lines; stores the status of individual lines in a register and is interfaced directly to the bus of the LSI-11 system.

1622DMA
Q-bus Supported • DMA Interface
Controller allows external TTL devices to operate with Q-bus hosts in DMA mode. Also allows any Adac analog-to-digital converter to operate in DMA mode.

Aeon Systems Inc.

8310
rtVAX 300 Supported • DMA Interface
8310 total VMEbus solution for real-time acquisition and control requirements. Integrates the VME300 single-board computer with VMEbus backplane, power supply, and enclosure.

8482
BIbus Supported • DMA Interface
Uses Aeon's 8510 BI controller and 8530 to create high-speed (up to 5.5MBytes/sec.) BI to VME connection. Intended for real-time distributed applications.

8500
Q/B Supported
Daughterboard that connects Aeon's High Speed Link to a simple TTL compatible specification. Suitable for connecting custom instrumentation to DEC BI or Q-bus VAX processors.

8510
BIbus Supported • DMA Interface
Single-slot BI controller to Aeon's High Speed Link (10MBytes/sec.). On-board processor multiplexes virtual connections to alternate backplane buses (VME, Multibus II, Q-bus, BI).

8520
Q-bus Supported • DMA Interface
Q-bus controller to Aeon's High Speed Link (10MBytes/sec.) serial. On-board processor multiplexes virtual connections on link to alternate backplane buses (VME, Multibus II, BI, Q-bus).

Avalon Computer Systems

AP/30

AP/30M08
MPU • U/Q Supported • DMA Interface

AP/30M12
MPU • U/Q Supported • DMA Interface

AP/30M16
MPU • U/Q Supported • DMA Interface

AP/30M32
MPU • U/Q Supported • DMA Interface

AP/30M64
MPU • U/Q Supported • DMA Interface
The Vaccelerator AP/30 Series combines VMS with high-performance of RISC into single-board, single-slot attached processor for application programs running on VAX, MicroVAX.

Camintonn Corporation

CM-MXV11-B
Q-bus Supported
Multifunction board with dual serial ports, 8-bit switch or user command register; supports 512Kx8-bit EPROM, and equipped with 128K EPROM containing bootstrap and system diagnostic routines.

Digital Data Systems Inc.

DDS-UFUM
UNIBUS Supported
The DDS-UFUM will double system speed and triple peripheral capacity when used with the USI/HSR.

HC70
PDP-11/UNIBUS Supported
When used in conjunction with the PEP-70, the HC70 will duplicate the performance improvement experienced with the PEP-70.

PEP-70
UNIBUS Supported • DMA Interface
Increases system data rate capability and improves user response time under heavy CPU and/or UNIBUS DMA activity.

SC-44
UNIBUS Supported
Cache efficiency is greatly improved by state-of-the-art circuitry and vastly increased cache storage capacity. The SC-44 increases CPU and bus throughput.

USI/HSR
UNIBUS Supported
USI/HSR: UNIBUS Segment Isolator that breaks the bus into smaller segments, High Speed Repeater that enables the UNIBUS to run as fast as CPU allows.

Digital Technology Inc.

BIU-153BI
VAXBI Supported
Emulates two MIL-STD-1553 terminal types on a single bus interface. Features 1553 message buffer queues, a continuously accessible register control bank, comprehensive interrupt control, and comprehensive error injection.

BIU-183BI
VAXBI Supported
Simultaneously emulates a bus controller, multiple remote terminals and a bus monitor. Does error injection. Offers a choice of buffer configuration.

BIU-53Q
Q-bus Supported
Emulates two MIL-STD-1553 terminal types on a single bus interface. Features 1553 message buffer queues, a continuously accessible register control bank, comprehensive interrupt control, and comprehensive error injection.

BIU-55Q
Q-bus Supported
This board, in conjunction with the Q-bus host, provides "logic-analyzer" functions for use in design, debug, and functional testing of MIL-STD-1553A/B.

DTI-2162
Q-bus Supported
Simultaneously emulates a bus controller, multiple remote terminals and a bus monitor. Does error injection. Offers a choice of buffer configurations.

DSP Technology Inc.

CC-DR11
Q/U/B Supported • DMA Interface
A CAMAC crate controller that interfaces to external port of a DR11-W or DRV-11WA parallel DMA I/O module, providing DMA access to the CAMAC dataway.

Heritage Communication Systems

EMMA
U/Q Supported
EMMA emulates VT220 and 320 terminals. Comprised of hardware and software for end users, software developers to write programs for DEC mainframes in native VT220/320 mode.

Hybricon

031-010-01
UNIBUS Supported
Wire-wrappable board with 75 columns, 168 16-pin and 192 14-pin DIP capacities. Features a continuous ground plane and frequency to 55MHz, low noise and crosstalk, and is suitable for high-speed logic and analog applications.

031-014-01
Q-bus Supported

031-014-02
Q-bus Supported

031-014-03
UNIBUS Supported
Extender cards with two-sided construction and dimensions of 11.8x9.875 inches. Feature gold-plated test points on double-sided extenders, staggered test points to eliminate test probe cluttering, full clearance of adjacent cards, and controlled impedance.

031-020
Q-bus Supported
Wire-wrappable board with 50 columns, 112 16-pin and 128 14-pin DIP capacities. Feature a continuous ground plane and frequency to 55MHz, low noise and crosstalk, and is suitable for high-speed logic and analog applications.

031-032-03
UNIBUS Supported
Extender card with multilayer construction. Features gold-plated test points on double-sided extenders, staggered test points to eliminate test probe cluttering, full clearance of adjacent cards, and controlled impedance.

031-033
Wire-wrappable board with 75 columns, 264 16-pin and 288 14-pin DIP capacities. Features a continuous ground plane and frequency to 55MHz, low noise and crosstalk, and is suitable for high-speed logic and analog applications.

031-043
UNIBUS Supported
Wire-wrappable board with 75 columns, 168 16-pin and 192 14-pin DIP capacities.

031-055
Q-bus Supported
Wire-wrappable board with 50 columns, 112 16-pin and 128 14-pin DIP capacities.

031-063

031-066
Q-bus Supported
Wire-wrappable board with 25 columns, 52 16-pin and 56 14-pin DIP capacities.

031-078-02
Q-bus Supported

031-078-03
UNIBUS Supported
Extender cards with multilayer construction and dimensions of 15.30x12.75 inches. Feature gold-plated test points on double-sided extenders, staggered test points to eliminate test probe cluttering, full clearance of adjacent cards, and controlled impedance.

067-106
Q-bus Supported
This model is a 12-slot backplane with power and ground I/O on barrier strip. Provision for terminations.

067-178
Q-bus Supported
This model is a nine-slot backplane with power and ground I/O on the barrier strip. No provision for terminations. Auxiliary voltage on the barrier strip.

KSI-Division of Odetics

AITG
Q-bus Supported

AITG-U
UNIBUS Supported
Incorporate functions of a propagation delay-corrected IRIG-B synchronizable time base generator, an event time freeze register. Applications include radar data collection, data time annotation, and more.

KTL-100
Q-bus Supported
Emulates a VT100 with advanced video option and operates on all LSI-11 systems at up to 19.2K bps, supporting up to 32 terminals.

TFL-100
Q-bus Supported
Emulates a VT100 with advanced video option and operates on all LSI-11 systems up to 19.2K bps. Features three auxiliary port modes for screen dump and more.

VTTR-U
UNIBUS Supported
Incorporates the functions of an event time freeze register, an IRIG-B reader, and a time match detector. Applications include VCR time annotation reading.

Mitek OpenConnect Systems

M4011
UNIBUS Supported • DMA Interface
Provides connectivity solutions for linking IBM SNA products to TCP/IP vendor systems. Product features include bidirectional logon and file transfer and IBM terminal emulation.

Nemonix Inc.

NX0008-SCA
UNIBUS Supported
The NX0008-SCA is a Synchronized Clock Accelerator that extends the life and performance of the CPU by increasing its information processing up to 15%.

Optivision Inc.

Optibus-DR11
U/Q Supported
Optibus-DR11 is a fiber optic extender for DR11-W interfaces. It is fully DEC compatible and transparent to the user in its setup and operation.

Peritek Corporation

DMA-Q
Memory Size (Bytes) • Q-bus Supported • DMA Interface
High-performance board designed for general purpose applications; handles all the hardware protocol including bus handshaking, bus timeout, interrupt request and vectoring, DMA request/grant, and data transfer.

FDI-Q
Memory Size (Bytes) • LSI-11 Supported • DMA Interface
Supports 3.5", 5.25", and 8" single-/double-sided, single/double density disks and DEC's RX01, RX33, and RX50.

HEX-Q
LSI-11 Supported • DMA Interface
Multiprocessor linking system that creates a combined DMA and PIO data path between a group of processors. Allows the host to select and perform bidirectional transfer via DMA with one of six satellite processing units.

Systems Concepts Inc.

IU-11
UNIBUS Supported • DMA Interface
When configured with a one- or two-FA channel, IU-11 connects up to four strings of disk modules, with up to eight spindles in each string.

The Logical Company

BCQ-1000
Q-bus Supported • DMA Interface
Software transparent controller used to repeat, extend, or convert the Q-bus up to distances of 1km over a single fiber optic cable.

BCU-1000
UNIBUS Supported • DMA Interface
A software-transparent controller used to repeat, extend, or convert the UNIBUS up to distances of 1km over a single fiber optic cable.

DCQ-1000
Q-bus Supported • DMA Interface
A single quad width Q-bus controller that emulates a DRV11-WA with fiber optic output for high-speed transfers at distances up to 1km.

SPECIALIZED PRODUCTS

BAR CODE READERS

CONTROL MODULE INC.

Each bar code product that is manufactured by Control Module consists of a bar code decoder with keyboard emulation circuitry for the VT100, 220, 240, 330, and 340.

EASTMARK INC.

The Quadem 320 bar code scanning terminal integrates a lightweight wand, hand held laser scanner or slot scanner, into a fully compatible VT320. This terminal is ideally suited to light mfg. inventory control, retail, medical, and other applications that require fast and reliable keyless data input.

GENTRY ASSOCIATES INC.

Gentry Associates Inc. is a leading distributor and value added reseller of computer peripheral equipment. Serving the Southeast and Mid-Atlantic regions since 1960, Gentry Associates sells and services printers, disk and tape products and bar code equipment. Gentry Associates distributes products from Printronix, Cipher, and Hitachi, and other leading manufacturers.

INTELLIGENT CONTROLS INC.

8000
6 mo Warranty
The Series 8000 OEM bar code reader provides on-board decoding to output bar code information in communication formats of RS232, RS422, RS485, TTL, or Weigand type formats. The Series 8000 also has an output relay, two monitored inputs, and a wand attachment as an additional input of bar code information.

KIMTRON CORPORATION

KBR-100
The KBR-100 is compatible with all Kimtron KT-series terminals. It wedges between the keyboard and the adapter. It features a selectable carriage return and does not require an RS232 port or additional power. It also supports CODEABAR, UPC-A/E, and EAN-8/13 code symbologies.

VIDEX INC.

TimeWand II
Videx presents innovative business solutions through the use of their unique, portable bar code readers, the TimeWand I and TimeWand II. The TimeWands are pocket-sized, have up to 128K internal memory, and record the date and time of each scan as it is made.

MONITORING AND TEST DEVICES

ALLIED TELESIS INC.

AT-921-E
1 y Warranty
Features a negative pulse digital time domain reflectometer with scope output capabilities.

AT&T PARADYNE CORPORATION

6510
Provides noninterfering, automatic, and constant monitoring of local and remote hardware and VF line impairments. Features modem and DDS II diagnostics, automatic polling, analog line measurements, firmware, database files, terminal, and full reporting capabilities.

CABLETRON SYSTEMS INC.

LAN-MD
DECnet Supported
The LAN-MD tests all major components of Ethernet V. 1.0, 2.0, or IEEE 802.3 network. This device complements the TDR 5000 by isolating network faults outside the coaxial cables.

TDR 5000
DECnet Supported
The TDR 5000 is a portable LAN tester that uses negative pulse technology to test for faults on network coaxial cable.

CANOGA-PERKINS

1401
1 y Warranty
Locates faults in telephone lines including shorts, crosses, opens, splits, etc. Features LCD screen, menu drive soft keys, dual trace capability, and crosstalk mode.

DATACOM TECHNOLOGIES INC.

DataTool 5000
Data communications test devices for RS232, X.21, V.35, 422, Centronics interfaces. Line drives and modem eliminators.

DUPONT ELECTRONICS

A family of fiber optic test equipment including attenuation test equipment, handheld optical testers, power meters, and light sources.

PETT
1 y Warranty
The Portable Ethernet Transceiver Tester (PETT) is an Ethernet LAN installation tester and troubleshooting tool for use with coax, twisted pair, and fiber optic media and transmission equipment.

GANDALF DATA INC.

TTS400C
VAX Series Supported
The TTS400C combines a data generator and receiver/error detector in one unit, ideally suited for both bench or portable use. This device is typically used to install or troubleshoot modems, multiplexers, and other data communication equipment.

ISA CONSULTANTS

RTM
DEC VAX Supported
By measuring response time as seen by users, RTM provides a unique and meaningful performance statistic to system and project managers. Unlike software-based performance measurement tools, RTM is a hardware device that examines characters communicated between a user terminal and CPU. Performance statistics are collected and maximum, minimum, and average transaction times are displayed on request. Complex transaction definitions are supported, including those used in All-In-One- and OLTP- (ACMS, DECintact) based environments.

ISA SOLUTIONS

ISA/RM is a hardware device that measures terminal response time by examining characters communicated between a terminal and CPU. Unlike software-based monitors, ISA/RM measures and displays true system response as seen by a user. ISA/RA is pre-configured to operate in All-In-One and ACMS environments.

JOHN FLUKE MANUFACTURING COMPANY INC.

1752A
1 y Warranty
The Fluke 1752A Data Acquisition System is a powerful microcomputer-based system for measurement and control applications. The data acquisition functions are integrated into the same chassis as the computer to minimize desktop or rack space. It simplifies programming and increases system performance.

2289A-Helios I
1 y Warranty
The Fluke Helios I Computer Front End is a rugged and highly accurate measurement and control system. Conditioning over two dozen signal types, Helios I provides confidence in the accuracy and repeatability of measurements from a variety of sensors.

2400B
1 y Warranty
The Fluke 2400B Computer Front End is a very accurate microprocessor-based analog and digital data acquisition system. It serves as an interface between a computer and both the measurement and control of a physical process.

80 Series
3 y Warranty
The Fluke 80 Series is a three-member family of high-performance meters with 11 functions and 40 ranges for a wide variety of electronic and industrial applications. They offer an impressive range of capabilities including frequency, duty cycle, and capacitance measurement and feature durable construction and unique safety features.

8060A
VAX Series Supported
The 8060A performs fast audible/visual continuity tests.

9010A
VAX Series Supported
The 9010A performs preprogrammed kernel test routines and simple peripheral troubleshooting. Please note that the quoted list price does not include the cost of interface pods.

9100
VAX Series Supported
The 9100 tests microprocessor-based digital circuitry from the microprocessor outward. It performs automated functional and guided fault isolation tests.

Fluke 45
1 y Warranty
The Fluke 45 is a feature-rich, five-digit 100,000-count DMW with a unique multifunction dual display, allowing measurement of two parameters from a single test connection. It offers high performance and versatility for manufacturing test, depot, and field service, and research and development. A standard RS232 interface makes the Fluke 45 ideal for PC instrument applications.

JORDAN ELECTRONICS

Jordan Electronics serves clients in California, Nevada, and Hawaii to meet LAN/WAN requirements. Product lines are Andrew Corp. — Token Ring Products; NET/Access Products — VAX Terminal Servers; Laser Communications — Ethernet/T-1 Links; Network General — "Sniffer" LAN Analyzers; Racal-Interlan — Ethernet Products; Teleprocessing Products Inc. — DSU/CSUs; Virtual Microsystems — V-Scan network monitor, statistics, alarms for VAX networks.

NETWORK GENERAL CORPORATION

The Sniffer
1 y Warranty
The Sniffer Network Analyzer Family and Watchdog Network Monitor for Ethernet will demonstrate the importance of understanding the quality and quantity of your network traffic. Network analysis with the Sniffer product line is the most complete, seven-layer protocol decoding on the market.

SECURITY SYSTEMS

BUSINESS SECURITY SYSTEMS

TECHNALOCK
Technalock is a physical locking system used to deter theft of PCs, office machines, audio visual, and other portable equipment.

DIGITAL PATHWAYS INC.

SLX
DefenderII-dual port security and management system, SecureLink X.25-Security and management for X.25 Networks ICAN-Multi-Protocol communications server with access.

INTELLIGENT CONTROLS INC.

The Series 8000 OEM bar code reader provides on-board decoding to output bar code information in communication formats of RSD-232, RS422, RS485, TTL, or Weigand type formats. The Series 8000 also has an output relay, two monitored inputs and a wand attachment as an additional input path of bar code information.

LeeMah Datacom Security Corporation

TraqNet 2001

Products protect one to 13,000 dial-in ports against unauthorized host system access. Security against hackers is achieved using callback, variable callback, or infokey; Secure Call-In to authenticate the user, location, or security device. Operating on the analog side of the modem, LEEMah's TraqNet systems are compatible with any operating/host system.

Racal-Milgo

Datacryptor 1027 Key
1 y Warranty

Government-endorsed link encryptor designed to provide communication with centralized control of network and key management functions.

Datacryptor 1027C
1 y Warranty

Government endorsed link encryptors designed to provide secure data communication with centralized control of network and key management functions via Racal-Milgo's Datacryptor 1027 Key Management Center.

Datacryptor 64
1 y Warranty

QES link encryptor designed to protect data transmissions in point-to-point, multidrop, dial-up, or dedicated communication networks.

Datacryptor 64-1027
1 y Warranty

Government-endorsed link encryptor designed to protect unclassified, national security-related information from disclosure, manipulation, or destruction in point-to-point, multidrop, and dial-up networks.

Datacryptor 64R
1 y Warranty

QES link encryptor designed to protect dial-up communication networks. These remote units are restricted from communicating with each other and only communicate with a central site Datacryptor 64.

Security Dynamics Inc.

ACM/5100

The SecurID Card, a leading edge smartcard, and associated computer security software/hardware products, is used to authenticate a user's identity, lock out would-be system trespassers. Over 75,000 SecurID Cards currently in use in VAX/VMS, IBM/MVS, Cray/UNICOS, and UNIX environments.

Smart Ambient Monitors

International Power Machines Corporation

Failsafe

Failsafe is a desktop remote monitoring system designed to monitor up to 16 uninterruptible power systems manufactured by International Power Machines. One-line diagrams display the status of the subsystems. Alarm conditions are indicated audibly and are identified on the CRT screen. Alarm history and spare parts inventory also available.

Intra Computer Inc.

SAM2010

A device that monitors temperature, humidity, smoke, A/C power, water, airflow, and intrusion in the computer room. SAM host control software allows computers to communicate with SAM2010 to maintain history log. When environmental conditions become dangerous, automatically dials up to four personnel, performs a graceful software shutdown, and then power shutdown.

SAM3010

SAM3010 supports all SAM2010 features, adding a programmer's control panel, nonvolatile memory, Fahrenheit/Celcius selections, and 110/220 AC operation. Battery back-up and a modem port are available options.

Wiring Systems and Cables

Belden Wire and Cable

Belden is a leading manufacturer of the following types of wire and cable: fiber optic, LAN, broadcast, CATV, coaxial, flat, hook-up and lead wire, special application, power supply cards, molded cable assemblies.

Belkin Components

Belkin manufactures a comprehensive line of cables for DEC computer systems. All of Belkin's DEC-compatible cables fully meet or exceed OEM specifications. Belkin also supplies Ethernet transceivers for DEC local area networking.

Cabletron Systems Inc.

Offers a comprehensive set of integrated network services to establish and maintain an Ethernet Network. Services include network planning and design, installation and start-up, training, and ongoing operational support.

Comm/Scope Inc.

Manufacturer of electronic wire and cable for data communications and local area networks. Cables for IBM cabling system, Ethernet, MAP., and broadband. Cables meet appropriate NEC., UL, and IEEE standards. Custom designs are also available upon request.

Illinois Computer Cable

Network cabling (Thick, Thin, Fiber, Twisted Pair), plus the largest selection of DEC-compatible cables in the United States. Manufacturer of modular wiring panels using standard and DEC connect style panels. IBM and HP assemblers available along with in-house network wiring engineer for your protection needs.

MOD-TAP System

MOD-TAP System provides a cost-effective, multivendor wiring solution based on unshielded twisted pair cable (telephone wire). Products include adapter, wallplates, baluns, cable, testers, and distribution frames.

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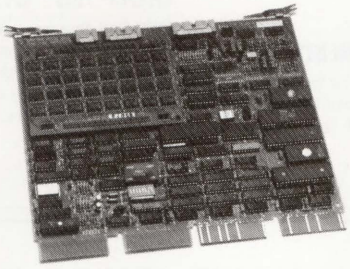
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PC03Q Qbus Time Code Translator



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- Microsecond resolution (real time).
- Programmable time coincidence strobes.
- Programmable heartbeat interrupts.
- External time capture strobe.
- VMS device driver.
- Remote and local I/O brackets.

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6541 Via del Oro
San Jose, CA 95119
TEL (408) 578-4161
FAX (408) 578-4165

Qbus, MicroVax, LSI-11, and VMS are trademarks of Digital Equipment Corporation.

Miscellaneous Products

Abend Associates Inc.

CallBack is a sales and marketing application written in Oracle. It features lead and inquiry handling, account management, telemarketing, extensive reporting.

Allied Telesis Inc.

Allied Telesis is a manufacturer of compliant Ethernet/IEEE 802.3 hardware. Our products include transceivers, repeaters, multiport transceivers and repeaters, remote and local bridges, and a modular multimedia concentrator incorporating thick/thin coax, fiber optics, twisted pair and an AUI transceiver cable.

ANDATACO

SCSI, SMD, and IPI disk subsystems in all form factors for permanent or removable, internal, pedestal, or rackmounting. One half-inch, one quarter-inch and 8mm tape subsystems; optical subsystems; telebit modems; Annex terminal servers; standard and custom cables; memory products, including 1- and 4-MB Simms. Andataco is an authorized Sun VAR.

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Burr-Brown

Networked data, collection systems. Feature VAX/VMS transaction processing software and a digital wedge. Our systems consist of a full range of data collection terminals and input devices—from bar code to voice, software, and system integration services including custom software development, education, and training and project management.

Computer Products Inc.

Computer Products designs and manufactures data acquisition and control interface products including computer-independent analog and digital input/output equipment, Q-bus-compatible board level products, high-performance proprietary computer bus intercommunications products, and intelligent data conversion, control, and preprocessing products for use with industry standard networks.

HRL Associates Inc.

TMS Total Maintenance System: plant/facilities maintenance and spare parts management; user-defined configuration; custom reports and formats; repair/response diagnostics; workload planning/scheduling; preventive maintenance; schedule coordination with production; auto purchase orders; $30,250; free demo.

John Fluke Manufacturing Company Inc.

John Fluke Mfg. Co. Inc. is a leading supplier of electronic instrumentation and services to provide test solutions to technical users involved in research, manufacturing, service, design, and calibration.

Laser Science Imaging Corporation

Software emulations for laser printers; Xerox, DEC-compatible laser printers; Brother laser printers.

MCS Computer Products Inc.

Specializes in the application of optical disk technology; provides mass storage solutions using the latest laser optical disk (CD-ROM, WORM, erasable) and helical scan mag tape technologies.

Parse Inc.

Parse is a supplier of diagnostic software for the VAX. Parse VAX diagnostics run standalone and are directly bootable from magnetic media. Tests include micro- and macro-level CPU diagnostics and diagnostic monitor for running peripheral and system tests. Parse diagnostics are designed to isolate failures to the field-replaceable unit.

Peripheral Parts Support Inc.

Peripheral parts support offers customers the options of purchasing, exchanging, or repairing DEC spares. These services are offered at a discount with extended warranties and immediate delivery.

Reliability Ratings

Reliability Ratings offers statistical field data on reliability and service of DEC and third-party peripherals. Information on MTBF, service response times, availability and leading cause of failure is published quarterly on CPUs, disk, tape, printers, memory. New to DEC market, data used in IBM market. $199/year.

Spatial Systems Inc.

Spaceware facilitates interfacing Spaceball, The leading 3-D Graphics control device, to graphics workstations. Configurable Dial Box and Mouse Emulation allows Spaceball to drive existing applications.

Tartan Technical Inc.

Manufactures Sprint it, a printer accelerator that is transparent buffered DMA device that uses available VMS drives to reduce the print job on the MicroVAX.

Trilogic

Sells DEC-compatible printers, controllers, data communication devices, disk drives, and tape drives.

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DSN offers fourth-party multiproduct depot repair and refurbishment services, exchanges, and parts, of computer peripherals and electronic equipment. DSN serves OEMs, end users, system integrators, and third-party maintainers. Computer repairs include HDAs, printheads, power supplies, motors and spindles, monitors, PCBs, laser printers, and more.

Efficient Field Service Corporation

Efficient Field Service Corporation's Massachusetts-based Field Service Group has announced significant cost savings for hardware maintenance contract support of DEC's VAX 750, 780, and 785 systems. Pricing up to 50 percent lower than DEC's list price is available. A wide variety of DEC's MicroVAX and LSI systems are also supported.

GE Computer Service

Repair and maintenance of computer equipment and systems.

Grumman Data Systems

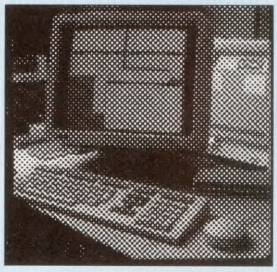
Grumman Systems Support (GSS) is a nationwide integrator of information and EDP services: GSS provides equipment maintenance, new/used equipment sales, network support, and professional services such as facility management, software support, and commercial systems integration. GSS is a subsidiary of Grumman Data Systems, the computer systems integration division of Fortune 200 Grumman Corporation.

MESA Technology Corporation

Depot repair and on-site maintenance for DEC and DEC-compatible peripherals including Printronix, DataProducts, QMS, Hewlett-Packard, and C.Itoh. Repairs PCs, laser printers, impact printers, disk drives, terminals, controllers, and networking products.

MAINTECH

MAINTECH



Maintech is the leading independent maintenance company for DEC and SUN Microsystems products. Maintech has been maintaining DEC systems since 1971 and began maintaining Sun systems in 1985. We offer three flexible maintenance plans which can be customized to meet a particular site's needs.

Initially Maintech earned its reputation in critical applications such as 911 emergency dispatch, 411 directory assistance, and electronic funds transfer systems. We presently support the DEC VAX 6000, 8000, 700 series and PDP-11 systems, and the complete Sun Microsystems line.

Maintech also offers disaster recovery services, and Master Console, is a console management product that allows users to monitor up to 16 different processors on a single terminal.

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DISASTER RECOVERY

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Abend Associates Inc. provides custom systems design and application software development using the ORACLE RDMS.

Comdisco Disaster Recovery Services

CDRS provides users of DEC systems a range of business continuity services that ensure the availability of data processing and teleprocessing to your organization, no matter what. In addition to four DEC "Hot Sites" we offer disaster recovery consulting and planning, transportable data centers, and electronic vaulting.

Computer Security Consultants Inc.

RecoveryPAC — Disaster Recovery Planning software for large data centers and total organizations, RecoveryPAC II — Disaster Recovery Planning software for small to mid-range data centers, or single departments within the organization. RiskPAC —Knowledge-based computer security risk assessment software. Consulting services are available for all aspects of computer security.

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Computer room equipment and environment cleaning, including underfloor cleaning and sealing. Disaster recovery facility cleaning and decontamination, Data Clean also provides a 3200 recovery site for its customers. Earthquake fastening of all computer hardware (product and service).

Maintech

Three separate, off-site contingency/backup services: disaster recovery, file backup and time sharing. Complete disaster recovery services via our two hot sites located in New York and Orange, CA. File backup and off-site file storage offered to clients as a separate option or as part of the disaster recovery program.

Meyer Software

Recovers "irrevocably" corrupt disks, mounts the unmountable, with 90 percent success to date, and over 12GB of data rescued.

National Computer Systems

NCS Contingency Services is a leading provider of recovery services including hot sites, cold sites, business continuity and disaster recovery planning for corporations utilizing Digital, Prime and Texas Instruments computers.

Peripherals

Disaster recovery of computer tape, disk packs, and Winchester disk drives. On-site cleaning and inspection of computer tape and disk packs.

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The ESS Division provides depot repair, spare parts and system sales, training, diagnostic software, data recovery, media conversion, and technical support services to self-maintainers, OEMs, and third-party maintainers worldwide. ESS services DEC and DEC-compatible equipment ranging from PDP-8s through the VAX 6xxx series, AT&T, Sun, and Fujitsu equipment.

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Buy, sell, trade of new/used Digital equipment.

C.D. SMITH & ASSOCIATES INC.

We buy, sell, trade, rent and lease all VAX systems and options in VAX 62xx, 63xx, 8xx, 7xx and MicroVAX II & III series.

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CCS is an International DEC and SUN systems integrator. We offer products from major manufacturers at discount prices. Subsystems include: Fujitsu and Seagate disk drives; Exabyte, Cipher, and Wangdat tape drives. CCS also stocks a large selection of used and refurbished DEC systems, parts, and spares.

CONTEMPORARY CYBERNETICS GROUP INC.

Offers DEC-compatible peripheral products including terminals, workstations, impact and non-impact printers, and high-capacity tape and disk subsystems.

DATALEASE

Offers a full line of DEC and DEC-compatible products including terminals, printers, disk subsystems, tape subsystems, memory, communications, and accessories.

DATAWARE SYSTEMS LEASE

Distributor/reseller for DEC, CDC, Cipher, Printronix, Wang, Dataproducts, Data General, Dilog, Emulex, HP, and Wyse computer equipment, parts, peripherals, electronic components.

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Stocking dealer of new and used DEC equipment. Buy, sell, and trade all DEC computers and peripheral equipment. Specialize in MicroVAX and older computers. Long- and short-term leases available. Repair many items. Install and deinstall nationwide.

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Fully integrated computer products company, specializing in high-speed laser and line printers, concurrent processing terminals, and networking solutions. Distributor for Dataproducts, Genicom, Output Technology Corp., American Mitac Corp., NEC, Falco Data Products, and Advanced Technologies International. Authorized Novell dealer.

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Suppliers of DEC and Sun Micro-compatible peripheral subsystems such as disk, tape, memory, and UPS systems and communications. Includes disks — 5 1/4", 8", and optical disk (worm, erasable); Tapes — 4mm, 8mm, 1/2"; Communications — modems, statistical multiplexers; and Boards — Emulex, Dilog, Zylogic.

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Tartan Technical distributes laser printers manufactured by AST Research and memory products for DEC, SUN, and Macintosh manufactured by Camintonn Corporation, Kensington Technology, and The Advanced Ironworks.

THE PRINTER SOURCE

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Sell refurbished CDC/Seagate disk drives, 9760, series 9715s, 9720, Sabres, Wrens, new and used DEC systems, MicroVAXs, PDP-11, VAX 8000 series, VAX 6000 series and peripheral disks, printers, tape drives, compatible Kennedy and Cipher tape drives, Data Product and Printronics printers, Emulex and Dialog controllers.

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Sells and leases DEC equipment, specializing in VAX systems and peripherals. Features three-month to three-year rental terms with options to buy.

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2000 lpm. Non-impact laser and ion deposition printers are available in speeds from 6 ppm to 90 ppm. The printer source offers sales, leasing/rental and a full supplies capability.

Supplies

Almetek Industries Inc.

Manufacturer of computer wire identification systems, labels, markers, signs, and nameplates.

Applied Data Communications

Manufactures the RDH-3.5, a 3.5" loader/labeler/printer that duplicates data from flexible drives to this device for custom label printing and application.

Computer Expressions

Computer Expressions manufactures two types of mouse pads: canvas, hard-surfaced Turbo Pad. Pads have a special imprinting process that allows them to cover the entire surface of the pad with a logo or message. Artwork will not crack, fade, or interfere with the tracking of the mouse.

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Single source for all computer-related items such as ribbons, paper, board, and modems.

Jensen Tools Inc.

Jensen Tools supplies quality tools, tool kits and test equipment to the DEC service technician worldwide. Jensen's 168-page full-line catalog offers the free technical support of Jensen engineers. Custom tool kit design and other special services are provided by the Jensen National Accounts division.

Misco

Free catalog with over 2000 items for computer users; diskettes, mag tape, data cartridges, accessories, cleaning products, paper, ribbons, furniture, storage cabinets, sound enclosures, cable, modems, surge protectors, printer stands, chairs, security products, toolkits, copy holders, and glare shields.

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Almac Electronics

System product lines carried include: Digital Equipment Corporation, Emulex, Seagate/CDC, Genicom, Intel, Motorola, Mitsubishi, Qume, and Sola. Services include: systems configuration, integration networking, testing, and burn-ins. Semiconductor memory and logic programming wire and fiber optic cable terminations.

Almetek Industries Inc.

Manufacturer of computer wire identification systems, labels, markers, signs, and nameplates.

BOMARA

We do image processing: medical and factory automation. Also networking using TCP/IP software and routers; ruggedized VAX, Sun, IBM PC workstation for military and industrial applications; computer connectivity.

Clayton Computer Systems

CCS is an International DEC and SUN systems integrator. We offer products from major manufacturers at discount prices. Subsystems include: Fujitsu and Seagate disk drives, Exabyte, Cipher, and Wangdat tape drives. CCS also stocks a large selection of used and refurbished DEC systems, parts, and spares.

CYCOM Systems Limited

System integrators specializing in DEC products, used computers, DEC to PC connectivity solutions. Novell networking, network consulting, bridges/routers, network support services, hardware maintenance specializing in DEC products and DEC-compatible solutions.

Datalease

Provides integration of a full line of DEC and DEC-compatible products including terminals, printers, disk subsystems, tape subsystems, memory, communications, and accessories.

Grumman Data Systems

Grumman Systems Support (GSS) is a nationwide integrator of information and EDP services. GSS provides equipment maintenance, new/used equipment sales, network support and professional services such as facility management, software support and commercial systems integration. GSS is a subsidiary of Grumman Data Systems, the computer systems integration division of Fortune 200 Grumman Corporation.

Ideal Technologies

Ideal Technologies markets and integrates high-performance systems printers and personal page printers manufactured by Texas Instruments. Committed to integrating printer technologies into the DEC environment to enhance system performance. Products are designed to provide cost-effective solutions to DEC users with data processing, graphics, and advanced forms-handling requirements.

Intelligent Controls Inc.

The Series 8000 OEM bar code reader provides on-board decoding to output bar code information in communication formats of RS232, RS422, RS485, TTL, or Weigand type formats. The Series 8000 also has an output relay, two monitored inputs and a wand attachment as an additional input path of bar code information.

Jordan Electronics

Jordan Electronics serves clients in California, Nevada, and Hawaii to meet LAN/WAN requirements. Product lines are Andrew Corp. — Token Ring Products; NET/Access Products — VAX Terminal Servers; Laser Communications — Ethernet/T-1 Links; Network General — "Sniffer" LAN Analyzers; Racal-Interlan — Ethernet Products; Teleprocessing Products Inc. — DSU/CSUs; Virtual Microsystems — V-Scan network monitor, statistics, alarms for VAX networks.

MOD-TAP System

Offers full integration of cabling and wiring communication systems that are compatible within Unibus, Q-bus, and BIbus environments.

Peritek Corporation

Peritek offers a full line of standard alpha and graphics display controllers, as well as DMA and floppy disk controllers to DEC OEMs. Peritek will be pleased to quote on custom and modified products as well.

SCO Inc.

SCO Inc. combines GRAFkit technical graphics software with hardware and software from Digital Equipment Corporation, Sun Microsystems, and Frame Technology to produce a complete graphics system. By working closely with each manufacturer, SCO Inc. offers a high level of support which makes the entire system efficient.

System Industries

Founded in 1968, System Industries, the leading independent supplier of high-performance mass storage subsystems in the Digital Equipment marketplace, offers VAXcluster-compatible disk and tape subsystems, multihost performance optimized subsystems, and MicroVAX/VAXstation direct-connect subsystems. SI services its products through its nationwide customer service organization.

System Technology Associates

DEC-compatible GIGA-RIG line of peripheral storage, including RA8 Series of "RA"-compatible magnetic disk and rewriteable optical drives, RF8 Series of "RF" plug-compatible disk drives for the DSSI bus, and optical disk drives for the Q-bus and SCSI bus.

Total Tec Systems Inc.

Total Tec Systems is a turn-key solution provider and custom integrator offering complete systems, hardware and software additions, and networking capabilities for the entire DEC family of products. Total Tec provides full services including pre- and post- sales support.

Universal Computing

System integrators for over 10 years for aerospace and military systems in the following areas: (1) high rate continuous data acquisition, (2) real-time array and signal processing, (3) parallel processing architectures, (4) graphics and imaging, and (5) heterogeneous computer networks. Boeing, Burroughs, GD, Hughes, JPL, Litton, Lockhead, Motorola, Rockwell, Schlumberger, TRW, the U. S. Navy and more.

Wilco International

Wilco, a multinational DEC OEM provides a full range of DEC services around the world, including both software and hardware maintenance, disaster recovery (DEC restart) and educational services.

Training/Consulting

Burr-Brown

Networked data collection systems. Featuring transaction processing software and a digital wedge. Our systems consist of a full range of data collection terminals and input devices — from bar code to voice, software and system integration services including custom software development, education, training, and project management.

Computer Methods Corporation

Contract programming, software engineering, technical training. High-level VAX/VMS consulting. Specialists in Macintosh-VAX/VMS networking including "DEC Lanworks for Macintosh." A decade serving Delaware Valley and national VAX/VMS Fortune 500 companies.

Continuum Consulting Ltd.

Continuum Consulting provides technical and management support and assistance in hardware and software analysis, selection, design, planning, implementation, and on-going management on VAX/VMS systems with DEC software. We also work with MAXCIM, MANMAN, Timeline, and many other software application products.

Essential Resources Inc.

ERI is the largest independent VAX/VMS training organization in the country. The only company to offer a "complete VAX/VMS training center" on video tape. It covers the training of users, programmers, operators, and system managers. Over 200 instructor-led courses are also available.

FlipTrack Learning Systems

FlipTrack user-friendly self-study courses on spreadsheet, word processing, desktop publishing, database, presentation, and operating system software. $89-195. Courses include audio cassettes, quick reference guide; most include data/document disk.

U. S. Professional Development Institute

U.S. Professional Development Institute provides software development training (software testing, test case design, electronic data interchange and configuration management) through scheduled courses in major U.S. cities and on-site at a client's location. Write for a free brochure.

Miscellaneous Services

Computer Transportation Services

Reliable transportation services worldwide since 1979. Specialized services for computer equipment include padded air-ride van, domestic/international air freight and packing, and crating services anywhere in the U.S.

Digital Dealers Association (DDA)

Digital Dealers Association, founded in 1982, is the one trade association focused on Digital Equipment Corporation products. DDA members subscribe to a strong code of professional ethics. Membership provides continuing education on DEC policies, products, and procedures; an online network, insurance programs, biannual meetings, a newsletter, and more.

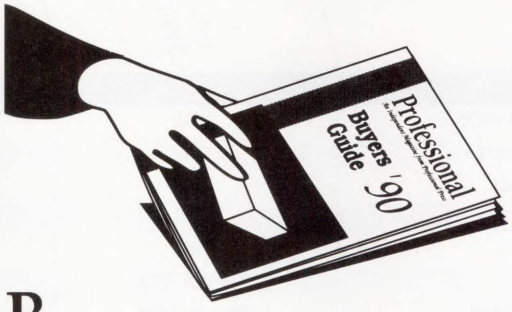
Disk Interchange Service Company

Disk Interchange Service Company specializes in transferring files between incompatible computers. We convert to and from 1500 different formats on all types of media. Supported DEC formats include the VAX PDP-11, Rainbow, and DECmate systems. Call for our free brochure and support list.

National Data Conversion Institute

NDC is America's leading data conversion bureau. NDC performs conversions between over 2500 different, normally "incompatible" computer systems, including from/to all standard DEC-compatible media (1/2" magnetic tape, TK-50, RL02, RX50, RX1/02, etc.) and most popular micros, minis, mainframes, word processors. Our optical scanning facilities utilize the most sophisticated scanning technologies.

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APPLICATION SOFTWARE

CAD/CAM

Product Name	Operating System	X Windows	2D Wireframe/Solid	3D Wireframe/Solid	# Licenses	Price Range
Auto-trol 303 452-4919						
Series 5000/Base to Full 5000	VMS		Y	Y		$8K-$23K
Series 5000/Ductwork Design	VMS		Y	Y		$14K
Series 5000/HVAC Drafting	VMS		Y	Y		$3,800
Series 5000/PLAN	VMS		Y	Y		$3,800
Series 5000/Vectorpipe	VMS		Y	Y		$13,800-$30K
Series 7000/Basic-Full	VMS/ULTRIX	Y		Y		$6,500-$15,500
Series 7000/Bezier Modeling	VMS/ULTRIX	Y		Y		$4,500
Series 7000/Die Design	VMS/ULTRIX	Y		Y		$6K
Series 7000/Flat Pattern Dev	VMS/ULTRIX	Y		Y		$4,500
Series 7000/NC Package	VMS/ULTRIX	Y		Y		$3,500-$9,500
Series 7000/Post Processors	VMS/ULTRIX	Y		Y		$2,800-$17K
Calma 619-587-3000						
Dimension III	VMS	Y	Y	Y	7000	$5K-$75K
CLM/Systems 813 831-7090						
CEAL	VMS/ULTRIX	Y				$12K
Cognition 508 667-7900						
Advantage CAD/CAM Family	ULTRIX	Y	Y	Y	1000	$2K-$9K
Cost & Manufacturability Guide	ULTRIX	Y			20	$10K-$25K
The Mechanical Advantage	ULTRIX	Y	Y		100	$10K-$15K
Engineering Systems 504 769-2226						
Design Graphix		Y	Y	Y	2000	$4K-$5K
Houtzeel Manufacturing Systems Inc. 617 890-2811						
Advanced CAPP	VMS/UNIX	Y	Y	Y		
APT Programming Package	VMS/DOS/UNIX		Y	Y		$2,500
ISICAD Inc. 714 533-8910						
System 5000	VMS		Y	Y		$30K
Manufacturing and Consulting 714 951-8858						
ANVIL-5000	VMS/ULTRIX	Y	Y	Y		$12K+
Matra Datavision 508 640-0940						
Euclid-IS	VMS/ULTRIX	Y	Y	Y	3000	$10K-$30K
McDonnell Douglas Systems Integration Co 314 232-5924						
Graphics Data System	VMS/ULTRIX	Y	Y	Y		
Unigraphics	VMS/ULTRIX	Y	Y	Y	15,000	
Schlumberger Technologies 313 995-6000						
Bravo3	VMS/ULTRIX	Y	Y	Y	15,000	$3K-$24K
SDRC 513 576-2400						
I-DEAS	VMS	Y	Y	Y	20,900	$16K-$54K
Sherpa Corporation 408 433-0455						
DMS 3.0	VMS/ULTRIX	Y			6000+	$1K-$4K

COMMUNICATIONS

Product Name	Operating System	Protocol	Function	File Transfer	Terminal Evaluation	# Licenses	Price Range
Alisa Systems Inc. 818 792-9474							
AlisaMail	VMS/Apple					unltd.	$8K-$17.5K
AlisaTalk	VMS/Apple			Y	Y	unltd.	$2,950-$14.4K
MailMate	VMS/Apple					unltd.	$450-$4,950
MaxNotes	VMS/Apple					unltd.	$295
TSSnet	VMS/Apple					unltd.	$195
Applied Information Systems Inc. 919 942-7801							
BURCOM	VMS	Poll/Select/DECNet	Networking	Y	Y	400+	$4K-$32K
ULYSSES	VMS	Uniscope/DECNet	Networking	Y	Y		$4K-$32K
Century Software 801 268-3088							
TERM Comm. Software	VMS/UNIX	TCP/IP	Async, Network, X Windows	Y	Y		$295-$2,595
Data Center Software Inc. 508 922-5500							
RPM- Remote Print Manager	VMS	DECnet/LAT	Remote printing				$500-$5K
Digital Management Group 519 846-8888							
Vax-TO-FAX	VMS		VAX-to-fax transmissions				4K
Innosoft International Inc. 714 624-7907							
PMDF V3.2	VMS	DECNet-SMTP		Y			under $1K
Interconnections Inc. 206 881-5773							
I*, TES	VAX/VMS	TCP/IP, XNS	PC to VAX connectivity	Y	Y	300+	$3K-$24K
Joiner Associates Inc. 608 238-8637							
Jnet	VMS	TCP NJE	VAX/IBM networking software	Y		1600+	$8K-$60K
Ki Research Inc. 800 544-8352							
kiNET	UNIX	LAT		Y	Y	2,000	$275-$10K
Multi Soft Inc. 609 896-4100							
Infront	VMS	Asynch	Cooperative processing	Y	Y	125	$7K-$27.5K
Novell Inc. 415 947-0998							
LAN WorkPlace for Macintosh	MAC D.S.	TCP/IP	Network communications	Y	Y	1	$250
Pacer Software Inc. 508 898-3300							
PacerPost	VMS	AppleTalk	Mail server				
PacerPrint	VMS/ULTRIX		Print spooling				
PacerShare	VMS/ULTRIX	AppleTalk	File serving	Y			
Polygon Inc. 314 432-4142							
poly-STAR/G	PC-DOS/MS-DOS	LAT, TCP/IP	VT terminal emulation	Y	Y	80K+	$329
poly-COM/240	PC-Dos/MS-DOS	LAT,TCP/IP	VT emulator/file transfer	Y	Y	100K+	$299
poly-Com/320	PC-DOS/MS-DOS	LAT, TCP/IP	VT emulator, file transfere	Y	Y	100K+	$199
poly-LINK	VMS		VAX services	Y		5000+	$349
poly-NET	PC-DOS/MSDOS	Novell/3Com	Multiple protocols			30K+	$149
poly-XFR plus	VMS		VAX file transfer	Y		50K+	$620
poly_STAR/T	PC-DOS/MS-DOS	LAT, TCP/IP	VT terminal emulation	Y	Y	75K+	$224
Process Software Corporation 800 772-7770							
TCPware for PDP-11	RSX,RT-11	TCP/IP	Networking Software	Y	Y		
TCPware for VMS	VMS	TCP/IP	Networking Software	Y	Y		
TGV Inc. 408 427-4366							
MultiNet	VMS	TCP/IP		Y	Y	2,500+	$1.2K-$24K
MultiNet NFS Client	VMS	TCP/IP		Y	Y	500+	$480-$9.6K
MultiNet Server	VMS	TCP/IP		Y	Y	1,000+	$360-$7.2K
Thursby Software Services 800 283-5070							
TSSnet/TSSLAT	SUN-OS/AIX/UNIX	DECnet/LAT	DECnet for UNIX	Y	Y		$750-$2K

COMMUNICATIONS

Product Name	Operating System	Protocol	Function	File Transfer	Terminal Evaluation	# Licenses	Price Range
Western Union 201 825-5000							
Office Access	VMS		Links VAX with WU mail service	Y			
Wilco International 212 269-3970							
Autofax	VMS		Automated fax system			30	$4K

FINANCIAL ACCOUNTING

Product Name	Operating System	General Ledger	Accounts Receivable	Accounts Payable	Fixed Assets	Payroll	Spreadsheet	4GL	# Licenses	Price Range
American Business Systems Inc. 508 250-9600										
ABS	VMS/ULTRIX	Y	Y	Y	Y	Y	Y		25,000	
CBM Associates Inc. 516 483-5300										
C11										$2,500+
Coda Inc. 603 647-9600										
IAS	VMS	Y	Y	Y	Y				500+	$28K-$295K
Colt Software Technologies Inc. 201 308-4404										
Colt-32	VMS/ULTRIX	Y	Y	Y		Y	Y		200	$3K-$12K
Compu-Share Inc. 806 794-1400										
Business Comptrol Series	VMS	Y	Y	Y	Y	Y	Y	Y		$5K-$40K
General Ledger	VMS	Y	Y	Y	Y	Y	Y	Y		$5K-$50K
CompuServe Collier-Jackson Inc. 813 872-9990										
World Class Series	VMS	Y	Y	Y	Y	Y	Y		500+	$10K-$50K
Computron Technologies Corp. 800 669-0119										
N-Dimensions	VMS/ULTRIX	Y	Y	Y	Y	Y	Y	Y	1,100	$20K-$80K
D & B Software Services 404 239-Info										
Millennium		Y		Y	Y			Y		
DBSI Information Systems Inc. 714 837-3744										
IMMS	VMS	Y	Y	Y					150+	$25K-$250K
Digital Information Systems Corporation 800 DBL-DISC										
Down to Earth Business Systems	VMS/ULTRIX	Y	Y	Y		Y		Y	1000+	$400-$2K
Distribution Architects Int'l Inc. 602 897-9576										
Dist. Architects	VMS	Y	Y	Y					50+	$100K-$500K
Execucom Systems Corp. 512 327-7070										
Paradigm										$495-$50K
IBA Inc. 619 560-8584										
IBAS	VMS	Y	Y	Y	Y	Y	Y	Y	70+	
MCBA Inc. 818 242-9600										
MCBA classic	VMS	Y	Y	Y	Y	Y				$1,500-$16K
Piedmont Systems Inc. 508 774-4223										
Piedmont Financials	VMS	Y	Y	Y	Y				30	$10K-$60K

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FINANCIAL ACCOUNTING

Product Name	Operating System	General Ledger	Accounts Receivable	Accounts Payable	Fixed Assets	Payroll	Spreadsheet	4GL	# Licenses	Price Range
Realworld Corporation 800 678-6336										
RealWorld Accounting S/W	VMS	Y	Y	Y		Y				$995-$2,500
Resource Systems Corp. 919 766-0571										
RSC-RAM	VMS	Y	Y	Y	Y	Y		Y		$6,800-$25,100
Software Plus Inc. 313 971-5377										
SP Accounting	VMS	Y	Y	Y	Y	Y	Y	Y	100+	$50K-$100K
Symix Computer Systems Inc. 614 895-0738										
Symix	VMS	Y	Y	Y	Y	Y	Y	Y	800	$1,995-$40K
Systems Union Inc. 212 753-7777										
SunAccount Multi-Currency	VMS	Y	Y	Y	Y				4,000	$15K-$100K
SunAccount Ledger Accounting	VMS	Y	Y	Y	Y				4,000	$10K-$100K
Theta Business Systems 818 547-3480										
TBS Accounting	VMS	Y	Y	Y		Y				$1K-$5K
Timeline Inc. 206 822-3140										
Accounts Receivable	VMS		Y						105	$10K-$32.5K
Accounts Payable	VMS			Y					122	$10K-$32.5K
Association Mgmt	VMS								10	$10K-$35K
Association/Non-Profit System	VMS								10	$10K-$35K
Cost Accounting	VMS								11	$10K-$30K
DIGIBASE									141	$6K-$15K
Fixed Assets	VMS				Y				31	$10K-$32.5K
Fund Accounting	VMS								104	$10K-$32.5K
General Ledger and Financial	VMS	Y							127	$30K-$50K
Payroll/Personnel	VMS					Y			31	$10K-$32.5K
Purchase Order	VMS								25	$10K-$32.5K
UniPress Software Inc. 800 222-0550										
Q-Calc Standard Spreadsheet	ULTRIX						Y			$750-$10K
Unitronix Corp. 800 257-7482										
Praxa	VMS	Y	Y	Y	Y	Y		Y	200	$4K-$19K

GRAPHICS

Product Name	Supported Terminals	Output Devices	Operating System	# Fonts	# Licenses	Price Range
Access Technology Inc. 508 655-9191						
Vivid	Tek/VT340	LN03/QMS	VMS	20		$800-$48K
Execucom Systems Corp. 512 327-7070						
Impressionist						$495
IMSL Inc. 713 782-6060						
Exponent Graphics	XWindows/Regis	Postscript	VMS/ULTRIX	13+		$1.5K-$15K
Innosoft International Inc. 714 624-7907						
MATHLIB V11.4	250+	HP-GL/LNOS	VMS/ULTRIX	15		$400-$2,800

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Director MIS
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GRAPHICS

Product Name	Supported Terminals	Output Devices	Operating System	# Fonts	# Licenses	Price Range
MGA Inc. 508 369-5115						
SciGraph	Regis/TEK	HP-GL/LNO3	VMS	5	50	
Multiware Inc. 800 522-0202						
Prep	Regis/TEK	HP-GL/LNO3/PS	VMS	8	125+	$1,500-$4K
Pipeline Associates Inc. 201 731-7860						
DEVPS		PS			single	$395-$795
Precision Visuals Inc. 800 447-7147						
PicSure Plus					513	
Procyon Software Systems Inc. 818 991-2766						
Star*Draw	DEC/HDS	HP-GL/LNO3P/PS	VMS/ULTRIX	17		$995-$24,995
Star*Show	DEC/HDS	HP-GL/LNO3P/PS	VMS/ULTRIX	17		$995-$24,995
RGB Spectra 415 848-0180						
RGB/Videolink 1400 series						$12,995
RGB/View						$9,995
The Graphic Management Group Inc. 800 346-6828						
Graphic Data Center Manager	IBM PC/XT	HPGL/DMPL	MSDOS 3			$3K
Uniras Inc. 214 980-1600						
Unigraph+2000	Regis/Tek/DW	HP-GL/N03/PS	VMS/Ultrix	22	1,000+	
V.I. Corporation 413 253-3482						
DataViews	VT340/330	HP7475A/7550A	VMS/ULTRIX			
White Pine Software Inc. 603 886-9050						
Exodus			VMS/ULTRIX	218		$499

OFFICE AUTOMATION

Product Name	Operating System	Word Processing	Fax	Mail	Spreadsheet	DBMS	Graphics	Calendar	# Licenses	Price Range
CrossWind Technologies Inc. 408 335-4988										
Synchronize	Ultrix					Prop.	Y	Y	5	$540
Data Processing Design Inc. 800 843-1317										
Gold-Fax	VMS	Y	Y	Y			Y			
Gold-Mail		Y	Y	Y						$1.9K-$3.5K
Word-11 V4.3	VMS	Y	Y	Y						$295-$28K
ECAP Systems Inc. 613 764-3889										
CDMS	VMS	Y								$2K-$5,400
EPS	VMS	Y		Y						$1K
FaxScript	VMS	Y	Y	Y						$7K-$12K
QText II	VMS	Y		Y						$500-$10K
Ergonomic Solutions 203 793-0445										
FaxForward	VMS	Y	Y	Y						$1,249-$5,799
Mailtalk	VMS	Y	Y	Y						$1,199-$5,749

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OFFICE AUTOMATION

Product Name	Operating System	Word Processing	Fax	Mail	Spreadsheet	DBMS	Graphics	Calendar	# Licenses	Price Range
Exceptional Business Solutions 213 558-3435										
WPS-PC	MS-DOS	Y				Prop.			12,000	$275
GrayMatter Software & Consulting Inc. 206 281-8800										
ScriptServer Printing System	VMS									$495-$3,895
Intermation Corp. 818 796-9371										
IT*OS	VMS/ULTRIX	Y								$950
InTouch Software 415 461-3600										
InTouch FX	VMS/ULTRIX		Y	Y				Y		$995
Joiner Associates Inc. 608 238-8637										
Jmail-MHS (JMM)	VMS			Y					3	$9.8K
Marc Software International Inc. 415 326-1971										
WordMarc Composer+	VMS/ULTRIX	Y		Y	Y	Y	Y			$595-$22.5K
MGS Software 214 558-2412										
Mvi	VMS	Y	Y	Y	Y	Y	Y	Y	20	$795-$2495
MicroSystems Engineering Corp. 800 882-0451										
FAXMail	VMS		Y						100	$8K-$13K
MASS -11 Calendar	VMS							Y	150	$2,875-$11.5K
MASS 11 Manager	VMS					Prop.			1K	$995-$20,700
MASS-11 I-Mail	VMS			Y					5	$2,875-$11.5K
MASS-11 Spreadsheet	VMS				Y		Y		50	$2,500+
MASS-11 Superlist	VMS								200	$2,875-$11.5K
MASS-11 WP	VMS	Y							7,000	$5,750-$23K
MASS-11GP	VMS						Y		1,000	$2,875-$11.5K
Morss Software Development 206 455-1838										
Command File Scheduler	VMS			Y				Y		
Networking Dynamics Corporation 213 668-0077										
FAXIT	VMS									
nView Corporation 804 873-1354										
Toteboard										$395
ViewFrame II+2										$1,995
ViewFrame RGB										$3,995
O'Reilly & Associates Inc. 800 338-6887										
UNIX in a Nutshell	Macintosh									$49.95
Polestar Software Inc. 515 472-2445										
Polestar Windows	VMS								350	$495
Programmed Intelligence Corp. 404 446-8880										
Intelligent Query (IQ)	VMS/ULTRIX					O/RDB/TMS	Y		100K	$2K-$22,500
Resolve Logic Systems Inc. 416 764-9923										
Productivity Set	ULTRIX		Menus			Prop.			2050	$1.5K-$10K
Russell Information Sciences Inc. 714 768-5000										
Calendar Manager	VMS			Y		Any	Y	Y	350	$795-$34,995
Syntactics Corp. 800 626-6400										
Crystal Writer Plus	ULTRIX	Y								$995-$6,995
White Crane Systems Inc. 404 446-0660										
Auto Word	PC/MS-DOS									$149
WordPerfect Corp. 801 222-5500										
WordPerfect	VMS/ULTRIX	Y					Y			$595+

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PROJECT MANAGEMENT

Product Name	Operating System	Methodology	DBMS	X Windows	Charting Capability	# Licenses	Price Range
Andrew Sipos Associates 212 321-2408							
ASAPMS	VMS/ULTRIX	CP		Y	G/P	>50	$7,500-$50K
Bechtel Software Inc. 508 635-0580							
Panorama	VMS	CP	Oracle		Y	200	$7,700-$193K
Synergy	VMS	CP	Oracle		Y	200	$2,400-$57,900
DSD Corp. 206 485-7564							
C-Plan	VMS/UNIX	CP/Pert	Prop.		Gantt/Pert	50+	$3,750+
Information Builders Inc. 212 736-4433							
Focman	VMS	CP	Focus		Gantt/Pert	80	$12K-$130K
M. Bryce & Associates Inc. 813 786-4567							
Pride-PMS	VMS	CP/Prop.			Gantt	15	$48K
Metier Management Systems Inc. 713 956-7511							
ARTEMIS 7000	VMS	CP	Prop.		Gantt/Pert		$20,600
ARTEMIS Project	VMS	CP	Prop.		Gantt/Pert		$10K
ARTEMIS Team	VMS	CP	Prop.				$10,695
Nichols & Co. Inc. 213 670-6400							
N5500	VMS	CP			Gantt/Pert	850+	$40K
Primavera Systems Inc. 215 667-8600							
Primavera Project Planner	VMS	CPM	3rd party/C-Tree		Gantt/Pert	150	$4K
Project Software & Development 617 661-1444							
Apecs 8000	VMS/ULTRIX	CP	Ingres		Gantt/Pert	50	$28K
Project/2	VMS	CP	Oracle		Bar/Pie/WBS	300+	$50K+
Qwiknet Professional	VMS	CP	Oracle	Y	Gantt/Pert	5,000	$2,500+
SofTrack Systems 801 973-9610							
MicroTrak	ULTRIX	CP	Prop.	Y	Gantt/Pert		$1495+
Welcom Software Technology 713 558-0514							
Open Plan	PC DOS/VMS	PDM/APM	Rdb		Gantt/Pert	5,000	$13.2K-$176K

SPREADSHEETS

Product Name	Operating System	Maximum W/S Size	Command Interface	Import Formats	DBMS	# Licenses	Price Range
Access Technology Inc. 508 655-9191							
20/20	VMS/ULTRIX	1000x8192	Lotus/Menu	Lotus/ASCII	Or./Syb./I	35,000	$600-$42K
Applied Information Systems Inc. 919 942-7801							
Xess	VMS/ULTRIX	702x9999	Menu	Lotus/Ascii			$595
Applix Inc. 800 827-7549							
Alis	VMS/ULTRIX	702x9999	CL/Menus	Excel/Lotus	Prop.	13,000	
Byers Engineering Company 404 843-1003							
PC/XNS File Transfer	DOS		Menu	ASCII			$350
Plot station 5.0	DOS		Menu	ASCII			$5K
PRF Generator	DOS		Menu	ASCII			$1K

SPREADSHEETS

Product Name	Operating System	Maximum W/S Size	Command Interface	Import Formats	DBMS	# Licenses	Price Range
DSD Corp. 206 485-7564							
C-Calc Plus	VMS/UNIX	1,024x65,536	Lotus/Menu	Lotus/ASCII	Prop.	5,000+	$995+
Information Builders Inc. 212 736-4433							
FoCCalc	VMS	1048x8192	Menu	ASCII	Or./Rdb/Focus	200	$1K-$31,250
Stone Mountain Computing 805 968-3838							
Graphic Outlook	VMS	65535x65535	Lotus Like	Lotus/ASCII	Rdb/Or./Syb.		$1K-$15K
Timeline Inc. 206 822-3140							
DigiCalc II	VMS	65,535	Menu	Lotus/ASCII	Rdb	1,200	$3,750-$20K
VAXCalc Company 407 225-5300							
VAXCalc	VMS	18278x99999	Menu/Mouse	Lotus/ASCII/FF		200	$550-$25K

STATISTICAL PACKAGES

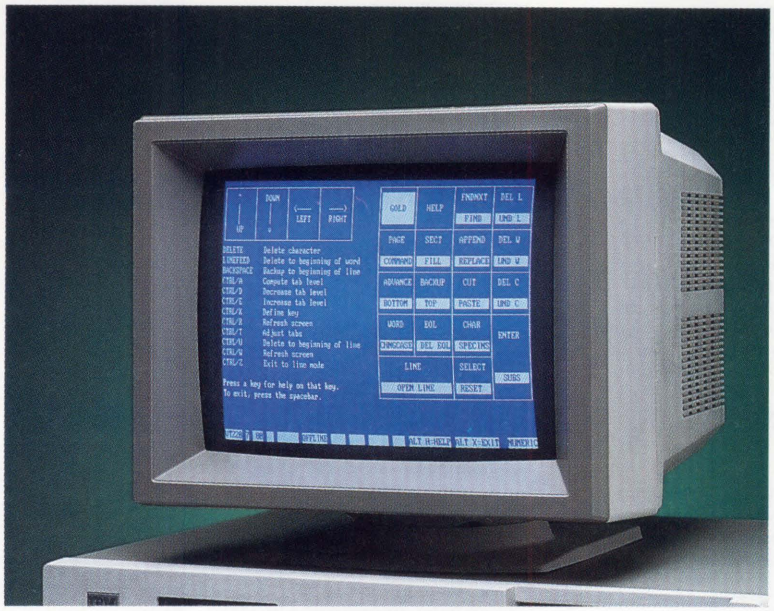
Product Name	Operating System	Highlevel Statistics	Menu Driven Interface	Program Language Interface	Graphics Interface	# Licenses	Price Range
Innovative Computer Technologies 416 829-2020							
DiskView 1.2	VMS					62	$1490-$3790
SAS Institute Inc. 919 677-8000							
The SAS System	VMS	Y	Y	Y	Y		$1.6K-$15.7K
Scientific Computing Associates 708 960-1698							
SCA	VMS/ULTRIX		Y		Y		
SPSS Inc. 312 329-3500							
SPSS Graphics	VMS/ULTRIX						

TERMINAL EMULATION

Product Name	File Transfer	Soft Keys	Macros	Scripts	132 Column	Highest Vt Emulation	Graphics	Maximum Baud Rate	Ethernet Interface	# Licenses	Price Range
Century Software 801 268-3088											
TERMNET	Kerm/XM	Y	Y	Y	Y	VT220		9600	Y		$295-$2595
Coefficient Systems Corp. 212 777-6707											
COTERM	K/XM	Y	Y	Y	Y	VT/220		19.2K	Y		$245
Datalex Inc. 800 962-8888											
Entrypoint 90											
Diversified Computer Systems Inc. 303 447 9251											
EM320	Kerm/XM	Y	Y	Y	Y	320		38.4	Y	15K	$189
EM4010	Kerm/XM	Y	Y	Y	Y	320	Y	38.4	Y	10K	$249

TERMINAL EMULATION

Product Name	File Transfer	Soft Keys	Macros	Scripts	132 Column	Highest Vt Emulation	Graphics	Maximum Baud Rate	Ethernet Interface	# Licenses	Price Range
Diversified Computer Systems Inc. 303 447 9251 (continued)											
EM4105	Kerm/XM	Y	Y	Y	Y	320	Y	38.4	Y	5K	$359
DTSS Inc. 603 643-6000											
Data Pass	Prop/XM	Y	y	Y		100		9600		>1K	$295-$2995
FEL Computing 802 348-7171											
Mobius	P	Y	Y	Y	Y	320	Y	9600	Y	1	$495+
Information Analysis Systems Corp. 203 429-1691											
Genterm/VT100	Kerm/XM	Y	Y		Y	220		9600		10,000+	$750
Kea Systems Ltd. 604 431-0727											
Powerstation keyboard											$199
ZSTEM	Kerm/ASCII	Y	Y	Y	Y	241/340	Y	115/200	Y		$99-$295
ZSTEM 220	Kerm/XM	Y	Y	Y	Y	220/320		5760	Y		$150
Pacer Software Inc. 508 898-3300											
PacerGraph		Y		Y	Y	241	Y	9600	Y		
PacerLink		Y		Y	Y	220		9600	Y		
Pericom Inc. 609 895-0404											
TEEM-TALK 05	Kermit	Y	Y		Y	220	Y	19.2K	Y		$395
TEEM-Talk 07	Kermit	Y	Y		Y	220	Y	19.2K	Y		$995
TEEM-TALK 11	Kermit	Y	Y		Y	220	Y	38.4K	Y		$1,250
TEEM-X 05		Y	Y		Y	220	Y		Y		$795
TEEM-X 07		Y	Y		Y	220	Y		Y		$795
TEEM-X 11		Y	Y		Y	220	Y		Y		$1,120
TEEM-X 340		Y	Y		Y	220/640	Y		Y		$795
Persoft Inc. 608 273-6000											
Smart Move	Kerm/XM	Y	Y	Y	Y	340		19.2K			$149
SmarTerm 240	Kerm/XM	Y	Y	Y	Y	340	Y	19.2K	Y		$345
SmarTerm 240 for File Servers	Kerm/XM	Y	Y	Y	Y	340	Y	19.2K	Y		$1,495
SmarTerm 320	Kerm/XM	Y	Y	Y	Y	340		19.2K	Y		$195
SmarTerm 320 for File Servers	Kerm/XM	Y	Y	Y	Y	340		19.2K	Y		$825
SmarTerm 340	Kerm/XM	Y	Y	Y	Y	340	Y	19.2K	Y		$349
SmarTerm 340 for File Servers	Kerm/XM	Y	Y	Y	340	Y	19.2K	Y		$1,495	
Synergy Software 215 779-0522											
Versa Term-Pro	Kerm/XM	Y	Y		Y	VT 220	Y	57,600	y	single	$295
VersaTerm	Kerm/XM	Y	Y		Y	VT/220	Y	57,600	Y	single	$149
Walker Richer & Quinn Inc. 800 872-2829											
Reflection 2	Kerm/XM	Y	Y	Y	Y	VT320		19,200	Y		$199-$249
Reflection 2 PLUS for MAC	Kerm/XM	Y	Y	Y	Y	VT320		19,200	Y		$249
Reflection 4	Kerm/XM	Y	Y	Y	Y	VT241	Y	19,200	Y		$199-$249
White Pine Software Inc. 603 886-9050											
MAC220	Kerm/XM				Y	241					$129-$299



EM320

EM320 is a versatile VT320 emulator and communications program. EM320 eliminates the need for a dedicated VT320 terminal.

- *VT100, VT220, and VT320 Emulation*
- *DCL-Like Command (Script) Language*
- *True 132 Column Display*
- *Remappable Keyboard*
- *Extensive Online Help Library*
- *ASCII, KERMIT, and XMODEM File Transfer*
- *Loadable Character Sets*
- *DOS Hotkey*
- *Modem Dialer*
- *Network Support*

VT320 EMULATION



EM4105

EM4105 is a sophisticated Tek 4105/DEC VT320 terminal emulator that converts your IBM PC into a color graphics workstation. EM4105 costs thousands less than a dedicated graphics terminal.

- *4107 Extensions Including 16/64 Colors*
- *Pan/Zoom*
- *High Resolution Hardcopy*
- *Mouse Cursor Control*
- *4010/4014 and VT640 Emulation*
- *640 × 350 EGA Support*
- *640 × 480 VGA and EGA Support*
- *Plotter Support*
- *All EM320 Features*
- *Network Support*

4105 EMULATION

All EM products feature network support:

- *DECnet**
- *SUN PC-NFS**
- *FTP PC/TCP**
- *Novell NCSI*
- *3COM BAPI**
- *Datability RAF*
- *Wollongong WIN/TCP*
- *Excelan Telnet API*
- *Ungermann-Bass Net/One**
- *Möbius*

**Multisessions*

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Series 5000/Base to Full 5000
2-D Wireframe/Solid • 3-D Wireframe/Solid
Series 5000 features include full 3-D data structures, object definition, object intelligence, links to relational DBMS, on-screen/pop-up menus, macro language programming, screen layouts control.

Series 5000/Ductwork Design
2-D Wireframe/Solid • 3-D Wireframe/Solid
DD models a duct system using design and analysis capabilities. Engineers work in 2-D layout and 3-D ductwork is generated automatically from sizing analysis.

Series 5000/HVAC Drafting
2-D Wireframe/Solid • 3-D Wireframe/Solid
HVAC creates heating, ventilating and air conditioning plans and quality drawings. Included are square, round and flexible duct layouts according to SMACNA standards.

Series 5000/PLAN
2-D Wireframe/Solid • 3-D Wireframe/Solid
Plan produces floor and ceiling plans and construction-quality drawings and generates 3-D model with door, window, and room finish schedules in user-defined format.

Series 5000/Vectorpipe
2-D Wireframe/Solid • 3-D Wireframe/Solid
With Vectorpipe, design and visualize an entire plant system of piping, vessels, structural steel, and equipment. Includes design rule checking, orthographic and isometric production tools.

Series 7000/Basic-Full
X Windows • 3-D Wireframe/Solid
Series 7000 purchased with full or basic functionality is a 3-D wireframe modeling system for mechanical design, engineering analysis, drafting and manufacturing disciplines.

Series 7000/Bezier Modeling
X Windows • 3-D Wireframe/Solid
Bezier Modeling develops complex surface models using classic and advanced techniques with modification and analysis capabilities.

Series 7000/Die Design
X Windows • 3-D Wireframe/Solid
Die Design is a design and drafting tool for piercing, blanking, bending, compound and progressive dies. It locates and displays die set components interactively.

Series 7000/Flat Pattern Dev
X Windows • 3-D Wireframe/Solid
Correctly dimensioned flat outline of 3-D wireframe model is constructed by selecting, unfolding each side. Flattened pattern adjusted to reflect dimensions for material prior to folding.

Series 7000/NC Package
X Windows • 3-D Wireframe/Solid
The NC package contains modules purchased individually or as a whole: Punching, Lathe, Profile/Pocket, Surface Milling, Electrical Discharge Machining, Flame Cutting, and Multi-Surface Milling.

Series 7000/Post Processors
X Windows • 3-D Wireframe/Solid
Post Processors are used for specific NC Machine and NC combinations. Generalized and lathe, mill, post-processors are available. Also available are custom post-processors.

Calma

Dimension III & AEC
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid
Dimension III is an integrated, 3-D design and engineering system for engineering design, construction, maintenance of refineries, chemical plants, power generation, and waste disposal plants.

CLM/Systems

CEAL
X Windows
A fully integrated civil engineering package; uses a single database to support all phases of an engineering project: survey, design, drafting, construction, and operations.

Cognition

Advantage CAD/CAM Family
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid
Full-featured 3-D design/2-D drafting products incorporating Model/Draw associativity, 3-D wireframe and surface modeling, support of ANSI/ISO drafting standards, and user-definable menus.

Cost & Manufacturability Guide
X Windows
An expert Design for Manufacturability (DFM) and producibility analysis system used to leverage manufacturing information throughout a product's development cycle, from concept to manufacturing.

The Mechanical Advantage
X Windows • 2-D Wireframe/Solid
A variational geometry-based performance modeler used for design optimization, synthesis, performance simulation, and diverse engineering sensitivity analysis.

Engineering Systems

Design Graphix
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid
Design Graphix is 3-D CADD system featuring a unique wireframe to B-Rep solid model conversion technology. Provides multi-window interface making 3-D model easy to create.

Houtzeel Manufacturing Systems Inc.

Advanced CAPP
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid
Advanced CAPP system for PCs and workstations (DEC and UNIX) automates flow of mfg. documentation (work orders, process plans, part drawings) to the shop floor.

APT Programming Package
2-D Wireframe/Solid • 3-D Wireframe/Solid
An ANSI standard APT processor for advanced numerical control programming. HMS-APT runs on PCs, DEC, VAX, and UNIX workstations, supports multi-axis programming and complex surfaces.

ISICAD Inc.

System 5000
2-D Wireframe/Solid • 3-D Wireframe/Solid
Combines a high-performance workstation with integrated CAD and database capabilities to meet the needs of the architectural/engineering/construction, facilities management, and cable management markets.

Manufacturing and Consulting

ANVIL-5000
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid
ANVIL-5000 integrates geometric modeling, drafting, geometric analysis, finite-element pre- and postprocessing, and numerical control (through 5-axis) into 14-significant-digit database.

Matra Datavision

Euclid-IS
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid
Comprehensive mechanical CAD/CAM/CAE system that uses solids modeling technology and an object-oriented database to integrate and manage product design, analysis, documentation, and manufacturing activities.

McDonnell Douglas Systems Integration Co.

Graphics Design System
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid
GDS is a spatial database that integrates CAD, CAE, FM, GIS, and RDBMS. It is uniquely qualified to meet the needs of infrastructure professionals.

Unigraphics
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid
Unigraphics totally integrated CAD/CAE/CAM application tool is used by automotive, aerospace, consumer products and manufacturing supplier industries. Runs on VAX and DEC-RISC product families.

Schlumberger Technologies

Bravo3
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid
The Bravo3 products provide integrated software tools for mechanical and electronic engineering and analysis, drafting and documentation, numerical control simulation and programming, and other applications.

SDRC

I-DEAS
X Windows • 2-D Wireframe/Solid • 3-D Wireframe/Solid

Sherpa Corporation

DMS 3.0
X Windows
Manages product information (CAD/CAM/CAE files, specifications process plans, N/C programs) and their relationship to product structures throughout lifecycle of products and their engineering changes.

Communications

Alisa Systems Inc.

AlisaMail
VAX-based corporate electronic mail solution for VAX/VMS and Macintosh environments.

AlisaTalk
File Transfer • Terminal Emulation
AlisaTalk provides a wealth of networking services for the Macintosh and VAX environments.

MailMate
The MailMate family provides gateways from existing Macintosh C-mail systems to VMSmail.

MaxNotes
MaxNotes is a friendly interface to Digital's VAX Notes electronic conferencing software.

TSSnet
TSSnet provides DECnet services for the Macintosh.

Applied Information Systems Inc.

BURCOM
File Transfer • Terminal Emulation
Burcom is a communications gateway between VAX/VMS systems and Burroughs (Unisys) computer systems. It provides terminal emulation, print routing, file transfer, and program-to-program communication.

ULYSSES
File Transfer • Terminal Emulation
Ulysses is a communications gateway between VAX/VMS systems and Unisys 1100/2200 computer systems. It provides terminal emulation, print routing, file transfer, and program-to-program communication.

Century Software

TERM Comm. Software
File Transfer • Terminal Emulation
Term Communications Software provides 14 exact terminal emulations, server transfer protocols, and a powerful script language programming environment, operating across all major operating systems.

Data Center Software Inc.

RPM—Remote Data Manager
RPM provides all tools necessary for printing remotely over DECnet. All user access is controlled from a central location. Easy menu-driven interface.

Digital Management Group

VAX-TO-FAX
DMG/FAX allows any VAX/VMS terminal to send FAXes from WordPerfect, VMSmail, ALL-in-1, Word-11, Mass-11, DCL, and your own applications.

Innosoft International Inc.

PMDF V3.2
File Transfer
PMDF is a general-purpose store-and-for-

ward message distribution system based on RCF 822 formats. Support is provided for many transport systems.

Interconnections Inc.

I*, TES
File Transfer • Terminal Emulation
File and print services and terminal emulation for PC LANs from VAX/VMS systems.

Joiner Associates Inc.

Jnet
File Transfer
Jnet networking software products allow DEC's VAX/VMS systems to communicate with IBM mainframe and mid-range systems. Features: E-mail, bidirectional file transfer, batch job submission, etc.

Ki Research Inc.

kiNET
File Transfer • Terminal Emulation
kiNET lets UNIX systems have DECnet Phase V and IV connectivity, Local Area Transport (LAT) terminal and print services, and Maintenance Operation Protocol (MOP) services.

Multi Soft Inc.

INFRONT
File Transfer • Terminal Emulation
INFRONT supports the development of applications that use program-to-program communications to integrate host and PC programs in a cooperative processing system.

Novell Inc.

LAN WorkPlace for Macintosh
File Transfer • Terminal Emulation
Provides users with transparent access to all resources on a TCP/IP network, including PCs, VAX minicomputers, IBM mainframes, UNIX workstations, and host-connected printers and plotters.

Pacer Software Inc.

PacerPost
PacerPost allows VAX/VMS hosts to participate in Microsoft Mail 2.0 networks as 100 percent compatible servers supporting standard Macintosh, PC, and Pacer supplied VMS clients.

PacerPrint
PacerPrint enables Macintosh, VMS, and ULTRIX users to share and take full advantage of Postscript or Postscript-compatible printers (such as an Apple LaserWriter).

PacerShare
File Transfer
PacerShare enables a VAX/VMS, VAX/ULTRIX, or DECsystem/station to act as a large file server for a Macintosh network.

Polygon Inc.

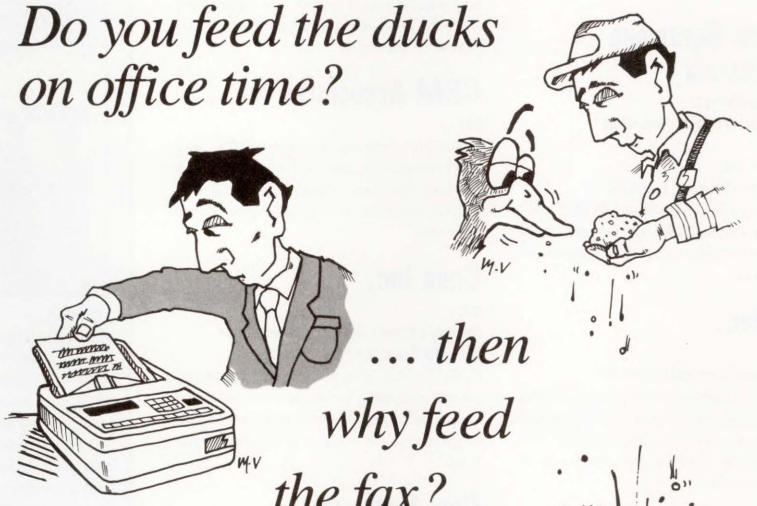
ploy-STAR/G
File Transfer • Terminal Emulation
poly-STAR/G provides terminal emulation and file transfer and integrates PCs into VAX or PAP environments. VT125, VT240, VT241, VT340, VT320, VT220, VT100, and VT52 supported.

poly-COM/240
File Transfer • Terminal Emulation
poly-COM/240 provides VT terminal emulation and file transfer capabilities for VT52, VT241, VT220, and VT102 terminals. ReGIS graphics, 132-column support, hotkeys, remappable keyboards.

poly-COM/320
File Transfer • Terminal Emulation
poly-COM/320 provides VT terminal emulation and file transfer capabilities for DEC VT220, VT102, and VT52 terminals. Hotkeys, remappable keyboards.

poly-LINK
File Transfer
Allows PC users to share VAX/VMS services over Ethernet-based networks. Disk, print, and file services shared and treated as virtual extensions to PC user.

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Fax: (519) 846-0474

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poly-NET
poly-NET allows 3Com, Banyan and Novell networks users to stack LAT and the network communication protocol simultaneously without reshooting to change from VT terminal to network.

poly-XFR plus
File Transfer
poly-XFR plus is a second-generation async file transfer program that automatically matches the protocol at the other end. Error-free transfer of ASCII or binary files.

poly-STAR/T
File Transfer • Terminal Emulation
poly-STAR/T provides VT320, VT220, VT100, and VT52 terminal emulation and file transfers for PC to DEC integration. 132-column support, keyboard remappable.

Process Software Corporation

TCPware for PDP-11
File Transfer • Terminal Emulation

TCPware for VMS
File Transfer • Terminal Emulation
TCPware is a line of modular TCP/IP networking products.TCPware features high rates, easy installation, reliability and low CPU loading.

TGV Inc.

MultiNet
File Transfer • Terminal Emulation
MultiNet is a high-performance VAX/VMS multi-protocol networking environment that supports the entire family of TCP/IP (Transmission Control Protocol/Internet Protocol) services.

MultiNet NFS Client
File Transfer • Terminal Emulation
MultiNet NFS Client allows VMS applications to transparently access files stored on NFS servers. The NFS Client remote file systems on any systems having an NFS server.

MultiNet Server
File Transfer • Terminal Emulation
MultiNet NFS Server is a high-performance kernel implementation of NFS for VMS which maps the complete UNIX file system sematics onto the VMS file system including symbolic and hard links.

Thursby Software Services

TSSnet/TSSLAT
File Transfer • Terminal Emulation
TSSnet and TSSLAT services for UNIX including bidirectional file transfer, mail gateway, DECwindows support, BSD socket interface, LAT host, and phase II DECnet end node.

Western Union

Office Access
File transfer
Links users of VAX and MicroVAX systems with Western Union's worldwide electronic mail services, and allows transmission of binary files. Delivery options include FAX electronic mail, Telex, Mailgram.

Wilco International

Autofax
Saves time and money. Includes out- and in-bound capability, graphics, flexible signatures and headers. Interfaces with ALL-IN-1, WordPerfect, WPS Plus and others.

Financial Accounting

American Business Systems Inc.

ABS
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • Spreadsheet
The ABS Accounting System handles receivables, payables, payroll, fixed assets and general ledger transactions. ABS software is multiuser, multicompany, and password protected.

CBM Associates Inc.

C11
"Multiple-company capability" for over 1000 companies, special look-up features for fast scanning. Reports may be displayed on screen or printed to disk. Demo available.

Coda Inc.

IAS
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets
CODA's IAS integrates general ledger, accounts payable, accounts receivable, fixed assets, budgeting and reporting in a unique single-database, real-time system on the VAX.

Colt Software Technologies Inc.

Colt-32
General Ledger • Accounts Receivable • Accounts Payable • Payroll • Spreadsheet
Colt-32 provides integrated accounting and billing systems for retail point-of-sale and merchandising, wholesale-distribution, light manufacturing, service-work-order management with electronic calendar and mail.

Compu-Share Inc.

Business Comptrol Series
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • Spreadsheet • 4GL
The world's optimum business management system for smaller to mid-size companies. Also includes wholesale Distribution products and the Human Resources Management and Imaging System.

General Ledger
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • Spreadsheet • 4GL
Accounting, distribution, and human resources systems for business management. Fully integrated and flexible for the greatest efficiency in information management.

CompuServe Collier-Jackson Inc.

World Class Series
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • Spreadsheet
Complete accounting and human resource solution. Excellent fit in multi-divisional organizations. Powerful reporting and analysis capabilities. Collier-Jackson is a Digital CMP.

Computron Technologies Corp.

computron financial software
simply brilliant!



N-Dimensions
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • Spreadsheet • 4GL
■ With more than a decade of experience, Computron has grown into one of the top 10 financial and imaging software vendors in the world, independent of platform, with sales and support offices located around the globe. Our financial management and accounting software for midrange computers is successfully utilized by more than 20 percent of the Fortune 1000, several of the world's largest accounting firms, and by many of the world's leading corporations, organizations, law firms, and government agencies. Our financial and imaging systems have won more than 30 industry awards for market acceptance and product excellence.

D & B Software Services

Millennium
General Ledger • Accounts Payable • Fixed Assets • 4GL

DBSI Information Systems Inc.

IMMS
General Ledger • Accounts Receivable • Accounts Payable
Integrated manufacturing/financials system with multi-currency (both decimal and non-decimal) capability. On-line and interactive modular system for single- or multi-facility environment.

Digital Information Systems Corporation

Down to Earth Business Systems
General Ledger • Accounts Receivable • Accounts Payable • Payroll • 4GL
Comprehensive set of 13 independent/integrated modules. Source code available, easily modified. Easy to use, easy to learn: on-line help, FIND key, windows, 401k, more.

Distribution Architects Int'l Inc.

Dist. Architects
General Ledger • Accounts Receivable • Accounts Payable
Comprehensive system for retail and wholesale distribution. Includes order management, inventory and DRP and a full set of financials.

IBA Inc.

Project Cost Account
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • Spreadsheet • 4GL
IBAS, designed for R&D, engineering, and specifically government contractors, is a fully integrated, multiuser system based on project cost. In complete compliance with government regulations.

MCBA Inc.

MCBA classic
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll
MCBA classic software is comprised of 19 independently functioning accounting, distribution, and manufacturing modules which together form a totally integrated closed-loop MRP II system.

Piedmont Systems Inc.

Piedmont Financials
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets
Fully integrated with Piedmont "Guaranteed MRP" or each module standalone.

Realworld Corporation

RealWorld Accounting S/W
General Ledger • Accounts Receivable • Accounts Payable • Payroll
RealWorld is a powerful 14 packages of accounting business software series including AR, AP, GL, PR, IC, OE, PI, JC, PO, SA, CR.

Resource Systems Corp.

RSC-RAM
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • 4GL
Standalone or integrated accounting modules. On-line, interactive, menu and table-driven. Report writer included.

Software Plus Inc.

SP Accounting
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • Spreadsheet • 4GL
Fully integrated accounting software written for VAX/VMS to meet the needs of medium to large organizations. Full services available.

Symix Computer Systems Inc.

Symix
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • Spreadsheet • 4GL
Fourteen-module integrated manufacturing control and accounting system designed for make-to-order, make-to-stock, and combination manufacturers. Written in Progress, a fourth-generation relational database language.

Systems Union Inc.

SunAccount Multi-Currency
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets
Multicurrency capability to FASB 52 for ledger accounting. Unlimited number of currencies within same ledger, gain/loss in exchange, ledger, revaluation, SPOT, derives, average, closing exchange rates.

SunAccount Ledger Accounting
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets
Advanced combined ledger system for receivables, payables and general ledger, with financial report generators, multicompany, multiuser, MACRO language, flexible journal entry, sophisticated analysis.

Theta Business Systems

TBS Accounting
General Ledger • Accounts Receivable • Accounts Payable • Payroll
TBS Accounting systems are fully integrated but can run standalone. They include an order-entry package with inventory control and all are easily modifiable by the user or at TBS.

Timeline Inc.

Accounts Receivable
User-defined amount of on-line historical data. Supports balance forward or open item accounting. Separate aged balances for current, 30, 60, 90 days or over.

Accounts Payable
Includes automatic recuffing transactions; checks printed for pre-payment, partial payment and installment payments; on-line data verification. Integrated to Timeline PO and Encumbrance Accounting System.

Association Mgmt.
Streamlines marketing techniques, controls non-profit associations' cash flow from fundraising. Integrated with Timeline GL and Fund Accounting. Interfaces with VMS spreadsheet and word processing applications.

Association/Non-Profit System
Integrated system includes membership, fund raising, event registration, subscriptions and order entry/inventory control modules. Can update centralized database from any module.

Cost Accounting
Tracks costs and revenues for life of project, job, process, or phase. Integrates with any Timeline module that captures required costing data.

DIGIBASE
Data management system. Includes screen-formatted add/change programs, documentation utilities, and report writer. Integrates with Timeline's Digicall and Timeline's Accounting Applications.

Fixed Assets
Accounts for all new laws affecting depreciation of assets. Provides for both book and tax purposes. Calculates depreciation using both standard and non-standard methods.

Fund Accounting
Meets needs of fund/encumbrance environment. Tracks commitments and obligations when they are encumbered with PO and updates appropriate funds to give current budget status.

General Ledger and Financial
Menu-driven system. Features 50-character, nine-pact account number structure; function-key editing and bidirectional transfer of data with Digicalc and Lotus spreadsheets.

Payroll/Personnel
Defines earnings, taxes and deductions including pension plans, such as 401K. Unlimited labor distribution capabilities. Accommodates all state and local tax provisions.

Purchase Order
Unlimited text for inclusion on PO forms, purchase history by vendor, partial receipts, open PO supports, accepts multiple distribution during entry. Integrated with Timeline accounts payable.

UniPress Software Inc.

Q-Calc Standard Spreadsheet
UniPress Emacs is an entire programming application development environment that is used by programmers, technical writers, and other professionals who require both power and flexibility.

Unitronix Corp.

PRAXA
General Ledger • Accounts Receivable • Accounts Payable • Fixed Assets • Payroll • 4GL
Final applications are integrated within and provide integration with PRAXA sales, marketing, distribution and manufacturing applications. General Ledger includes budgeting capability and report writer.

Graphics

Access Technology Inc.

Vivid
Vivid offers 30+ chart types, 25+ output devices, and a customized palette of over 3,000,000 colors. Tightly linked with the 20/20 spreadsheet. Supports ALL-IN-1 and WPS-PLUS.

Execucom Systems Corp.

Impressionist
A business graphics package that combines complete chart-building capabilities with imaging editing for novices to experts, using menus, commands, or command files.

IMSL Inc.

Exponent Graphics
IMSL's Exponent Graphics system, designed for scientists and engineers, uses 150 user-callable FORTRAN subroutines for creating data renderings and graphs from numerically intensive applications.

Innosoft International Inc.

MATHLIB V11.4
An extensive collection of data analysis and visualization utilities embedded in an interactive framework. Results are expressed mathematically as data, or as publication-quality graphics.

MGA Inc.

SciGraph
SciGraph is an easy-to-use, statistical, 2-D color graphics package specifically designed for scientists and engineers. SciGraph menu/form interface is self-teaching.

Multiware Inc.

Prep
A general-purpose graphics program that allows nontechnical users to prepare presentation-quality graphical images for a wide variety of printers, plotters, and graphics terminals.

Pipeline Associates Inc.

DEVPS
A Troff or Postscript filter.

Precision Visuals Inc.

PicSure Plus
Enhancement option to PicSure command-driven graphics software. With PicSure Plus, novices can produce charts quickly with menus; experienced users speed the process with commands.

Procyon Software Systems Inc.

Star*Draw
Creates professional graphic images, engineering drawings, and logos. Interactive drawing software. Built-in editor, device independent. Fortran callable. On screen menus. Easy to use. Zoom capabilities.

Star*Show
Creates word scientific, and data charts (bar, pie, line). Supports several data input formats, device independent. FORTRAN callable. Interactively edits charts. Menu driven.

RGB Spectra

RGB/Videolink 1400 series
The RGB/Videolink video scan converter transforms computer graphics from a workstation to broadcast standard (NTSC or PAL) video for video taping, video projection, or video transmission.

RGB/View
Video windowing system displays real time NTSC or PAL video window on any DEC high-resolution monitor. Offered in standalone or board-level models.

The Graphic Management Group Inc.

Graphic Data Center Manager
The Graphic Data Center Manager is an integrated precision drawing system and powerful database manager tailored specifically for the design and management of data centers.

Uniras Inc.

Unigraph+2000
Interactive 2-D, 3-D, and 4-D charting and graphing package featuring point-and-click interface, database interface toolkit, data editing/manipulation and extensive chart selection.

V.I. Corporation

DataViews
DataViews is a comprehensive graphical user interface development environment that provides powerful, workstation-based tools for applications developers to create dynamic graphics interface for applications.

White Pine Software Inc.

Exodus
Exodus is the Color X Window System Display Server for the Macintosh Operating System. Supports Rev4 of X Window System version 11 and DECwindow extensions.

Office Automation

CrossWind Technologies Inc.

Synchronize
Graphics • Calendar
Synchronize, an X-based personal and workgroup time management tool, allows users to instantly schedule group meetings and resources, distribute agendas and send out reminders.

Data Processing Design Inc.

Gold-Fax
Word Processing • FAX • Mail • Graphics
Includes full graphics support, multiple built-in editors. Eliminates black boxes, PCs, and required FAX machines. The next VAX-to-FAX generation at a significantly lower price.

Gold-Mail
Word Processing • FAX • Mail
Offers features like 100 percent VMS mail compatibility, pull-down menus, registered mail, directory services, distribution lists, non-text file support, seven message editors and affordability.

Word-11 V4.3
Word Processing • FAX • Mail
Features additional printer support, multiple language selection for spell correction, the ability to view and correct multiple proportional spaced fonts on screen, and more.

ECAP Systems Inc.

CDMS
Word Processing
Shared document support for ALL-in-1, fully integrated with word processing menu.

Allows originating user to control document access, distribution lists, while maintaining overall file protection.

EPS
Word Processing • Mail
Expanded printer services for All-in-1, WPS+. Enhanced support for a wide range of DEC and non-DEC printers, including LaserJet and compatibles. Postscript support through OUTPOST.

FaxScript
Word Processing • FAX • Mail
High-quality Postscript for ALL-IN-1, VMS. Multiple incoming and outgoing FAX, fully integrated with ALL-IN-1 word processing and EMS menus. Transmission and error reporting.

QText II
Word Processing • Mail
Word processor with multiple workfiles, windows. Supports multiple font output on laser printers including Postscript. Has text, command, calculator, and line-drawing macros.

Ergonomic Solutions

FaxForward
Word Processing • FAX • Mail
FAXForward automatically transmits a hardcopy of incoming VAXmail messages to any FAX worldwide without requiring the users to check in with the host VAX system.

MailTalk
Word Processing • FAX • Mail
MailTalk merges the power of VAXmail with a DECTalk speech synthesizer for remote access and FAX hardcopy of messages from a touch tone telephone.

Exceptional Business Solutions

WPS-PC
Word Processing
WPS-PC is Gold Key style word processing for PC-compatible computers and integrates with WPS-PLUS/VMS and ALL-IN-1. WPS-PC includes spell checking and Thesaurus.

GrayMatter Software & Consulting Inc.

ScriptServer Printing System
Provides ASCII and HP-GL translation, switched printer emulations, allows output formatting and manages the synchronization required by Postscript printers.

Intermation Corp.

IT*OS
Word Processing
IT*OS is a full-featured, office-equality integrated word processor with math and database capabilities, spelling correction and laser support included.

InTouch Software

InTouch FX
FAX • Mail • Calendar
Enables a DOS PC server to send and receive FAXs and file transfers over DECnet. Interfaces with a variety of PC-based and minicomputer applications.

Joiner Associates Inc.

Jmail-MHS (JMM)
JMM reformats and transfers electronic mail between Novell's and Action Technologies' MHS network and Digital's MR network. JMM supports binary file attachments.

Marc Software International Inc.

WordMarc Composer+
Word Processing • Mail • Spreadsheet • DBMS • Graphics
WordMarc is a full-featured word processor providing power and ease-of-use in diverse commercial, educational, and scientific environments.

MGS Software

Mvi
Word Processing • FAX • Mail • Spreadsheet • DBMS • Graphics • Calendar
The Mvi Editor is a UNIX Vi editor for VAX/VMS systems. The editor is 100 percent compatible with the native UNIX Vi Editor.

MicroSystems Engineering Corp.

FAXMail
FAX
FAXMail works with Biscom's FAXCOM controller. It lets VAX users FAX documents from their terminals. Supports cover sheets, distribution lists, Postscript, graphics, any word processor.

MASS -11 Calendar
Calendar
MASS-11 Calendar is an internodal scheduling system. Can schedule meetings, equipment, rooms. Provides one-month, three-month views with reminders.

MASS-11 Manager
MASS-11 Manager is a relational database with a menu or command interface. Integrated with MASS-11 WP. Supports publication-quality reports. Full select and sort queries.

IMail
Mail
MASS-11 Internodal Mail lets VAX users send compound documents to other users on the VAX network. It works with DEC's message router, supports X-400 Mail.

MASS-11 Spreadsheet
Spreadsheet • Graphics
MASS-11 Spreadsheet provides links to MASS-11 WP; has hundreds of functions including matrix math. Supports six graph types. Shows eight lenses concurrently. Lotus lookalike.

MASS-11 Superlist
MASS-11 Superlist is designed to manage lists of information for reports, labels, and Rolodex type functions. Supports queries, select, sort, merge.



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- *Includes a PostScript formatting facility for defining options such as typefaces, job priority, paper sizes, orientation, margins and form setup modules*

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GrayMatter
Software Corporation
1300 Dexter Avenue North Suite 550
Seattle, Washington 98109
206-281-8800

MASS-11 WP
Word Processing
MASS-11 WP provides basic and advanced functionality — used for compound document preparation, equation editing, graphics integration. Supports Postscript. Identical PC version. Great performance.

MASS-11GP
Graphics
MASS-11 GP is a graphics translator. Translates CGM, MPGL, Tektronix, Lotus, PIC, PICT and MDL metafiles. The translated files can be printed on a laser printer.

Morss Software Development

Command File Scheduler
Mail • Calendar
Automated batch processing scheduler with job dependencies, resource dependencies, report distribution, error trapping, DCL substitutions features. All features perform transparently across DECnet.

Networking Dynamics Corporation

FAXIT
FAXIT allows users to send FAXes directly from the VAX. Built around Xerox 7021 copier FAX machine. Provides comprehensive features. Database and applications interface.

nView Corporation

Toteboard
Wireless, remote control, full-function keyboard for use with IBM PCs and compatibles. Built-in hand grip, one-hand operation and 30-feet range.

ViewFrame II+2
High-resolution, LCD panel that connects to video port of computer and all projection of computer output in eight shades of gray onto large viewing screen.

ViewFrame RGB
High-resolution, LCD panel that connects to video port of computer and allows projection of color computer video onto large viewing screens. Remote control included.

O'Reilly & Associates Inc.

UNIX in a Nutshell
Series of HyperCard stacks that contain useful information for Macintosh users of UNIX systems. Can be used as on-line help. 1.6mg.

Polestar Software Inc.

Polestar Windows
Software adds windows to VT terminals, allowing multiple display windows, multisessions, scripts, cut and paste, print screen, terminal secure and programmable interface.

Programmed Intelligence Corp.

Intelligent Query (IQ)
Graphics
Intelligent Query (IQ), a sophisticated data retrieval and analysis tool, was designed to be easy enough for end users and powerful enough for DP professionals.

Resolve Logic Systems Inc.

Productivity Set
Resolve combines 4GL/RDBMS/CASE facilities with office automation tools. Easy-to-use integrated system addresses computing needs of today's developers and business end-users.

Russell Information Sciences Inc.

Calendar Manager
Mail • Graphics • Calendar
Calendar Manager is the top-rated scheduling software for the VAX. Meetings, resources, and facilities are interactively scheduled by this sophisticated package.

Syntactics Corp.

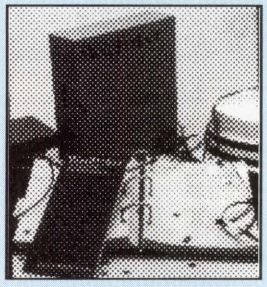
Crystal Writer Plus
Word Processing
Simple yet powerful multiuser word processing. Object-oriented automatic formatting, library of model documents, spelling correcting, footnoting, mail-merging, other advanced features.

White Crane Systems Inc.

Auto Word
Views, translates, and prints formatted word processing and graphics files. Supports more than 25 leading formats.

WordPerfect Corp.

WordPerfect CORPORATION



WordPerfect
Word Processing • Graphics
WordPerfect for VAX/VMS is a full-featured, high-end word processor that incorporates several desktop publishing features such as text-integrated graphics, multiple fonts, enhanced laser printer support, and style definition.
Text-integrated graphics may be placed anywhere on a page, with text automatically wrapping around the image. Printing enhancements in WordPerfect allow users to access a variety of font sizes and attributes. Multiple fonts may be mixed on one page and fonts can be changed throughout a document without affecting margin settings. The style definition lets a user create a definition (including margin, tab, and font settings) for any frequently-used format. Single-user price: $595. For most price information call (801) 222-5500.

Project Management

Andrew Sipos Associates

ASAPMS
X Windows
Five scheduling methods: BarChart, Milestone, Critical Path Method (CPM), Precedence Method (PDM), PERT. Each package supports Time Analysis,Resource Allocation,Network Graphics,Cost Control.

Bechtel Software Inc.

Panorama
Charting Capability
Interactive planning and scheduling tool. Arrow and precedence notation. Critical path method. Multiproject functionality. Full library of predefined reports. Customized management-quality graphics and charts.

Synergy
Charting Capability
Modular system to control cost, time, and materials. Modules include: Budgets, Contracts, Cost and Commitment, Engineering Performance, Management Reporting, Performance Measurement, Task Tracking, Overhead, Plant Sites.

DSD Corp.

C-Plan
High-performance, multilevel project management system featuring unlimited project size, wide variety of standard and custom reports, presentation-quality graphics, and intuitive menu-driven interface.

Information Builders Inc.

Focman
A complete project-planning, scheduling, tracking, reporting and graphics system written in Focus. Designed to be easy to use for simple projects and multiple complex projects.

M. Bryce & Associates Inc.

Pride-PMS
Integrated approach for planning, estimating, scheduling, reporting, and controlling system development projects.

Metier Management Systems Inc.

ARTEMIS 7000
Artemis 7000 is a complete project management development system with the ARTEMIS command language, a relational DBMS, and report writing and graphics capabilities.

ARTEMIS Project
Artemis Project is a project management application with interactive network drawing, window interfaces, multiple calendars, an integrated RDMS, and more than 50 standard reports.

ARTEMIS Team
A resource management tool that helps managers allocate skilled professionals across multiple projects and tasks. Includes interactive Gantt chart, window interface, integrated time sheets.

Nichols & Co. Inc.

N5500
N5500 is a multiproject, on-line, real-time project management system for all types of applications. It includes a centralized/shared database, CPM scheduling and more.

Primavera Systems Inc.

Primavera Project Planner
Primavera Project Planner for VAX integrates scheduling, resource, and cost control with presentation-quality graphics to create a powerful, easy-to-use project management system.

Project Software & Development

APECS 8000
Apecs 8000 project information management system combines the Ingres RDBMS with several project analysis modules. Apecs 8000 graphics provides project plan and performance statistics summaries.

Project/2
Project/2 integrates scheduling, cost, graphics, and Oracle relational database software, providing the proven tools to manage any project. Can be integrated with existing corporate systems.

Quicknet Professional
X Windows
Quicknet Professional project management software uses drawingboard interface, windows, and mouse option for ease of learning and use. It connects with Project/2 and Apecs 8000.

SofTrack Systems

MicroTrak
X Windows
Micro is a project management software package that provides practical schedules and information-packed graphics that experienced project managers demand—without high cost or complexity.

Welcom Software Technology

Open Plan
Open Plan is totally integrated with DBase to create a powerful, yet versatile means of managing and scheduling projects.

Spreadsheets

Access Technology Inc.

20/20
20/20 offers an advanced spreadsheet with graphics, database management and consolidation facilities. Supports ALL-in-1 and DECwindows. Tightly integrated with several VAX/VMS, DBMS, and WP packages.

Applied Information Systems Inc.

Xess
Xess is the real-time Motif/X Windows engineering and scientific spreadsheet designed for those who need a flexible environment to handle complex calculations and data manipulation.

Applix Inc.

Alis

Alis is a powerful office automation software system. Among Alis' integrated applications are WYSIWYG word processing, drawings, spreadsheets, graphs, data management, and personal mail/calendar functions.

Byers Engineering Company

Byers PC/XNS File Transfer

PC-based software provides high-speed file transfer between a PC and the VAX or Clipper via Intergraph's Ethernet.

Plot station 5.0

Network plotting software for MicroStation, Intergraph and other CAD users eliminates plotting bottlenecks, allows enhancements of plot graphics, and provides simple control over network plotting.

Byers PRF Generator

Creates PRFs (plot request file) through a VAX-like plot tutorial that allows quick capture and modification of all graphic parameters for plotting.

DSD Corp.

C-Calc Plus

High-powered, multidimensional, data analysis, and reporting system, featuring simultaneous window display, built-in graphics, and board-room quality reports, for multiuser business and scientific applications.

Information Builders Inc.

FoCCalc

FoCCalc is a full-featured spreadsheet integration with the Focus 4GL and optimizes for the VAX environment.

Stone Mountain Computing

Graphic Outlook

Graphic outlook combines a state-of-the-art spreadsheet with a high-quality business graphics module that supports most current graphics devices.

Timeline Inc.

DigiCalc II

Intelligent multidimensional spreadsheet and information modeling tool. Supports worksheets of up to 65,535 rows, columns, pages, and dimensions, each dimension supporting up to 65,535 cells.

VAXCalc Company

VAXCalc

VAXcalc is a high-performance (natural order evaluate), full-featured and -functioned electronic spreadsheet that offers mouse capability for all users of ANSI-compatible terminals.

Your Connection to Productivity

XESS™ The X Windows Engineering & Scientific Spreadsheet provides real-time data connectivity on DEC and other popular workstations.

BURCOM™ The communications gateway for connecting DEC VAX processors to Unisys A/V/B computers.

Ulysses™ The communications gateway connecting DEC VAX computers with Unisys 1100/2200 computers.

EasyEntry™ The data entry and data management system on DEC VAX and personal computers.

For more informqtion on these software programs CALL (800) 334-5510

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Statistical Packages

Innovative Computer Technologies

DiskView 1.1

DiskView version 1.1 is the most complete window into VAX/VMS computer in terms of input/output to disk subsystems. Incd. Hot files, histograms, CPU utilization, and more.

SAS Institute Inc.

SAS System

High-level Statistics • Menu-Driven Interface • Program Language Interface • Graphics Interface

The SAS system is an integrated applications system for data access, management, analysis, and presentation.

Scientific Computing Associates

SCA

Menu-Driven Interface • Graphics Interface

The SCA statistical system is an integrated software offering powerful capabilities in time series analysis, experimental design and general statistical analysis.

SPSS Inc.

SPSS Graphics

SPSS Graphics is an integrated, interactive product for creating over 40 types of presentation-quality charts and maps. The program includes interfaces to DBMS packages.

Terminal Emulation

Century Software

Termnet

Soft Keys • Macros • Scripts • 132 Columns • Ethernet Interface

Termnet Communications Software provides terminal emulations, server file transfer protocols and a powerful script language programming environment, operating across all major operating systems.

Coefficient Systems Corp.

COTERM

Soft Keys • Macros • Scripts • 132 Columns • Ethernet Interface

VT220 emulation for IBM PC-DOS 2.0+. LAN support, background file transfer, and remappable keyboard.

Datalex Inc.

Entrypoint 90

Entrypoint 90 is a complete software package for PC-based data entry and validation. Interfaces with PC-to-VAX communications products for seamless file transfer.

Diversified Computer Systems Inc.

EM320

Soft Keys • Macros • Scripts • 132 Columns • Ethernet Interface

EM320 emulates DEC VT320, VT220, and VT100 terminals, featuring 132-column display, color, remappable keyboard, DOS hotkey, modem dialer, file transfer, and extensive network support.

EM4010

Soft Keys • Macros • Scripts • 132 Columns • Graphics • Ethernet Interface

EM4010 emulates Tektronix 4010/4014, retrographics VT640 and DEC VT terminals. Includes EM320 features plus high-resolution display, mouse support, re-rasterized hardcopy and network support.

EM4105

Soft Keys • Macros • Scripts • 132 Columns • Graphics • Ethernet Interface

EM4105 emulates Tektronix 4105 with 4107 extensions. Includes EM4010/320 features plus 640 x 480, 16-color resolution, pan/zoom, excellent hardcopy, and network support.

DTSS Inc.

Data Pass

Soft Keys • Macros • Scripts

Terminal emulation and file transfer support from PC to VAX, IBM VM/CMS, Honeywell, and UNIX. Multiple unattended file transfers supported. Restart from point of transmission error.

FEL Computing

Mobius

Soft Keys • Macros • Scripts • 132 Columns • Graphics • Ethernet Interface

Mobius provides PCs and LANs with VAX file service, print service, file transfer, terminal emulation. Add-on modules available for automatic operations and advanced programming features.

Information Analysis Systems Corp.

Genterm/VT100

Soft Keys • Macros • 132 Columns

VT100 Library routines for developer interaction with applications programs.

KEA Systems Ltd.

PowerStation Keyboard

The PowerStation is an exact VT layout keyboard that plugs into the PC, giving you key-by-key emulation of a DEC terminal when used with KEA's ZSTEM emulation software.

ZSTEM

Soft Keys • Macros • Scripts • 132 Columns • Graphics • Ethernet Interface

The ZSTEM family of products includes terminal emulators for VT100, VT220 and VT240 terminals, with VT320 and VT340 extensions, running on IBM PC/XT/AT and PS/2s.

ZSTEM 220

Soft Keys • Macros • Scripts • 132 Columns • Ethernet Interface

Complete VT220 emulation including double-high, double-wide characters, true smooth scrolling, national/multinational support, and downloadable fonts.

Pacer Software Inc.

PacerGraph

Soft Keys • Scripts • 132 Columns • Graphics • Ethernet Interface

PacerGraph, an option to PacerLink, provides the Macintosh and IBM PC with VT240 and VT241 graphic terminal emu-

lation, recognizing all ReGIS and Tektronix 4010/4014 sequences.

PacerLink
Soft Keys • Scripts • 132 Columns • Ethernet Interface
PacerLink provides advanced multiwindow terminal emulation, file transfer, virtual disks, and print services for Macintosh and PC users.

PERICOM INC.

TEEM-TALK 05
Soft Keys • Macros • 132 Columns • Graphics • Ethernet Interface
Teem-Talk 05 also features a user-friendly menu-driven set-up mode, Tek 4105/4010/4014 emulation, supports digitizer and mouse gin devices and extensive hardcopy support.

TEEM-TALK 07
Soft Keys • Macros • 132 Columns • Graphics • Ethernet Interface
Teem-Talk 07 also features a user-friendly menu-driven set-up mode, Tek 4107/4207/4010/4014 emulation, supports digitizer and mouse gin devices and extensive hardcopy support.

TEEM-TALK 11
Soft Keys • Macros • 132 Columns • Graphics • Ethernet Interface
Teem-Talk 11 features a user-friendly menu-driven set-up mode, Tek 4111/4211/4010/4014 emulation, supports digitizer and mouse gin devices and extensive hardcopy support.

TEEM-X 05
Soft Keys • Macros • 132 Columns • Graphics • Ethernet Interface
Teem-X 05 is an X Windows client providing Tek 4105, DEC VT220, Westward 3220, and Data General D200 emulation, designed for users of DECstation and others.

TEEM-X 07
Soft Keys • Macros • 132 Columns • Graphics • Ethernet Interface
Teem-X 07 is an X Windows client providing Tek 4207, DEC VT220, Westward 3220, and Data General D200, designed for users of DECstation and others.

TEEM-X 11
Soft Keys • Macros • 132 Columns • Graphics • Ethernet Interface
Teem-X11 is an X Windows client providing Tek 4211, DEC VT220, Westward 3220, and Data General D200 emulation designed for users of DECstation and others.

TEEM-X 340
Soft Keys • Macros • 132 Columns • Graphics • Ethernet Interface
Teem-X 340 is an X Windows client providing DEC VT340/220, Retrographics VT640, Tek 4010/4014, Westward 2110, and Data General emulation for users of DECstation and others.

PERSOFT INC.

Smart Move
Soft Keys • Macros • Scripts • 132 Columns
Provides precise emulation of DEC's VT100, VT102, and VT52 text terminals. Includes file transfer, background operation and RAM-resident mode, keyboard remapping and speed connect.

SmarTerm 240
Soft Keys • Macros • Scripts • 132 Columns • Graphics • Ethernet Interface
Precisely emulates the 16-color ReGIS graphics of DEC's VT340 graphics terminal; VT241, VT240 graphics terminals; VT220, VT100 text terminals; and Tektronix 4014 graphics terminal.

SmarTerm 240 for File Servers
Soft Keys • Macros • Scripts • 132 Columns • Graphics • Ethernet Interface
Provides SmarTerm 240 users network support through the use of a multiuser copy residing on a file server.

SmarTerm 320
Soft Keys • Macros • Scripts • 132 Columns • Ethernet Interface
SmarTerm 320 offers full-featured emulation of DEC's VT320, VT220, VT100, and VT52 text terminals. LAT also included.

SmarTerm 320 for File Servers
Soft Keys • Macros • Scripts • 132 Columns • Ethernet Interface
Provides SmarTerm 320 users network support through the use of a multiuser copy residing on a file server.

SmarTerm 340
Soft Keys • Macros • Scripts • 132 Columns • Graphics • Ethernet Interface
SmarTerm 340 provides exact text and graphics emulation of DEC's VT340 graphics terminal, LK250 keyboard support, LJ250 printer support, LAT and PCSA support.

SmarTerm 340 for File Servers
Soft Keys • Macros • Scripts • 132 Columns • Graphics • Ethernet Interface
Provides SmarTerm 340 users network support through the use of a multiuser copy residing on a file server.

SYNERGY SOFTWARE

Versa Term-Pro
Soft Keys • Macros • 132 Columns • Graphics • Ethernet Interface
A Macintosh text and graphics terminal emulator, including Tektronix 4105 color graphics plus all the emulations in VersaTerm. True interactive zoom and pan in memory.

VersaTerm
Soft Keys • Macros • 132 Columns • Graphics • Ethernet Interface
A Macintosh text and graphics terminal emulator/communications program including DEC VT100, VT 220, Tektronix 4014 and Data General D200 emulations.

WALKER RICHER & QUINN INC.

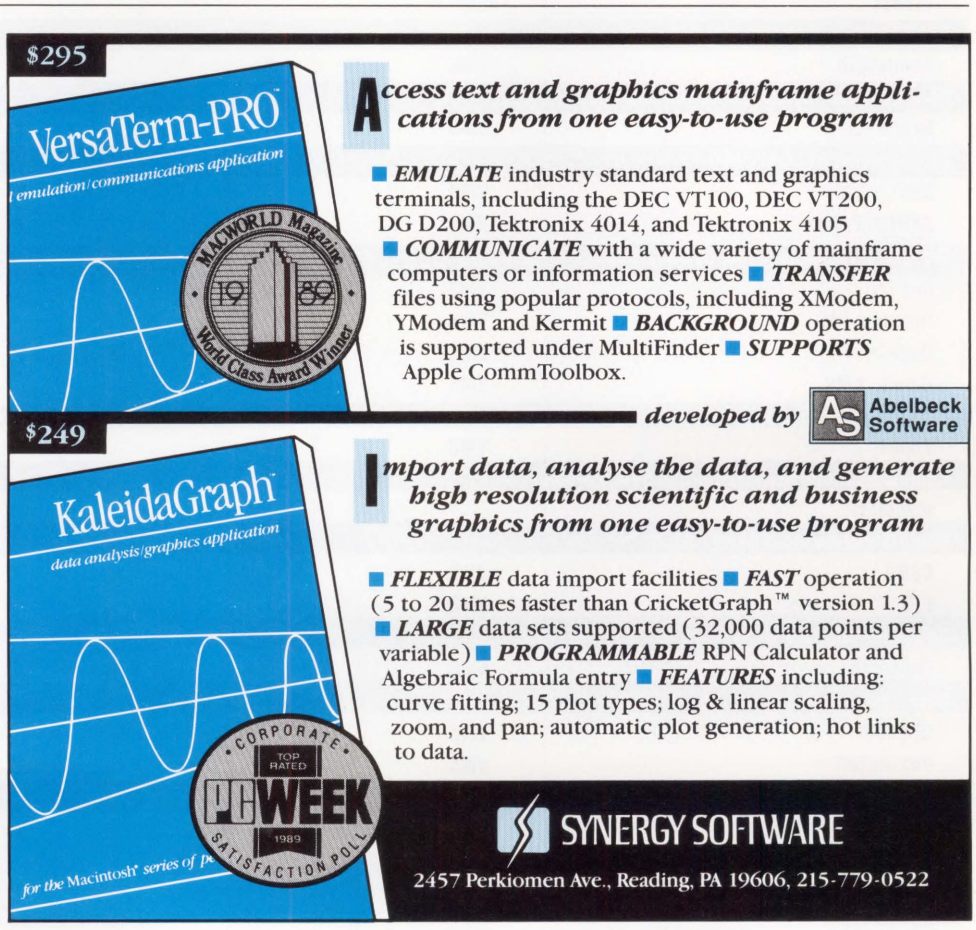
Reflection 2
Soft Keys • Macros • Scripts • 132 Columns • Ethernet Interface
Provides accurate emulation of the VT320 and VT220 terminals and features such as high-speed file transfer, multitasking, command language, background operation, full keyboard remapping, and more.

Reflection 2 PLUS for MAC
Soft Keys • Macros • Scripts • 132 Columns • Ethernet Interface
Reflection 2 Plus for the Macintosh offers precise emulation of the DEC VT320 terminal. Includes high-speed proprietary error-checking file transfer and easy-to-use graphical user interface.

Reflection 4
Soft Keys • Macros • Scripts • 132 Columns • Graphics • Ethernet Interface
Reflection 4 emulates DEC's VT240 and VT241 terminals, and Tektronix 4014 terminals in addition to the 16-color ReGIS graphics features of the VT340 terminal.

WHITE PINE SOFTWARE INC.

MAC220
132 Columns
New features include a more complete file transfer method that include Ymodem, Xmodem with 1K blocks and Kermit compression. Command key equivalents have been added.



SYSTEM SOFTWARE

Product Name	Operating System	Security	Resource Accounting	Disk Management	Defragmenter	Tuning	Performance Monitoring	# Licenses	Price Range
AcuCobol Inc. 619 689-7220									
AcuCobol-85	VMS/ULTRIX	Y						6,000+	$900-$12K
Advanced Systems Concepts Inc. 201 798-6400									
CICS LIBERATOR	VMS								$25K-$100K
EPSS	VMS					Y	Y	50+	$2K-$10K
PSS	VMS	Y				Y	Y	1750+	$2K-$15K
RECORDER	VMS	Y						100+	$895
RQE for VMS	VMS								$10K-$30K
SHADOW	VMS			Y			Y	500+	$1K-$10K
TELEACCESS	VMS							17	$25K
VIRTUOSO	VMS	Y		Y		Y	Y		$1K-$15K
WATCH	VMS	Y						600+	$495
Alphatronix 919 544-0001									
Bypass	VMS/DOS								$750-$1,100
Avail Technologies Inc. 800 634-6552									
AbilityVSM	VMS	Y	Y	Y				500+	$995-$10,995
Bear Computer Systems Inc. 800 255-0662									
BearWear	VMS	Y	Y			Y	Y		$3.5K
BGS Systems 617 891-0000									
BEST/1-VAX	VMS			Y		Y	Y		$20K-$40K
CAPTURE/VMS	VMS					Y	Y		$10K-$20K
BrainTree Technology Inc. 617 982-0200									
Auditor	VMS	Y						2000+	$2,500-$16K
Quantum PM	VMS						Y	250+	$1,100-$25K
Quantum PT	VMS					Y	Y	200+	$850-$3,750
Quantum RS	VMS		Y					2,000	$1K-$25K
XXXX									
Contrl	VMS	Y						2280	$722-$8,026
Communications Research Group 504 923-0888									
MacBlast									$195
Comp-Shooters Inc. 508 692-0756									
CSBU	VMS								$1,125-$6,500
PID	VMS						Y		$2,500-$6,500
Computer Information Systems Inc. 617 527-1550									
Robomon	VMS	Y		Y		Y	Y	45	$750-$20K
Data Center Software Inc. 508 922-5500									
QUEMAN	VMS	Y						150	$1,295-$5,995
VAX-ALERT	VMS	Y	Y	Y			Y	50	$695-$1495
Demax Software 800 283-3629									
Dynamic Load Balancer	VMS					Y	Y	>2,000	$980-$3,995
Pakmanager	VMS			Y				>1500	$1,580-$3,995
Securemax	VMS	Y							$20K
Securepak	VMS	Y						>1,000	$1,980-$9,985
Squeezpak	VMS/RSX				Y			72,500	$980-$3,395

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SYSTEM SOFTWARE

Product Name	Operating System	Security	Resource Accounting	Disk Management	Defragmenter	Tuning	Performance Monitoring	# Licenses	Price Range
Digital Link Corporation 408 745-6200									
DLMS	UNIX X-windows	Y		Y			Y		$17,600
ECAP Systems Inc. 613 764-3889									
Outpost	VMS								$600-$2,200
EIGEN Corporation 800 87-EIGEN									
Dynamic Security	VMS			Y		Y	Y		$625-$1875
EIGEN Utilities	VMS	Y		Y		Y	Y		$975-$2,875
VMS Security Package	VMS	Y		Y		Y	Y		$600-$2K
Executive Software 800 829-4357									
DISKEEPER/plus	VMS			Y	Y				$250-$12K
Gejac Inc. 301 725-2500									
ARSAP	VMS/ULTRIX	Y	Y	Y		Y	Y	1,300+	$4K-$50K
Hancock Software 617 924-0017									
Filemaster	VMS			Y				1K	$495-$9995
ISA Solutions 800 462-6301									
ISA/NetMaster	VMS	Y						By CPU	$1,295-$12K
ISA/SysMaster	VMS		Y	Y		Y	Y	By CPU	$1,295-$12K
ISA/TaskMaster	VMS	Y						By CPU	$1,295-$9K
ITi EZsecurity Inc. 415 851-2368									
EZsecurity	VMS	Y							$150-$12K
Network Research 805 485-2700									
Fusion	VMS	Y					Y	5,500	$500-$20K
Networking Dynamics Corporation 213 668-0077									
MultiSessions	VMS								
Peek/Spy	VMS	Y							
Performance Software Inc 508 462-0737									
V-TEST	VMS					Y	Y	50+	$10K-$70K
VIDEO	VMS	Y						200+	$1950-$30K
Raxco Software Inc. 301 258-2620									
PERFECTDISK	VMS				Y				$1,050-$8,750
Rabbit-1	VMS		Y						$2,450-$12,750
Rabbit-11	VMS						Y		$2,050-$13,750
Rabbit-2	VMS								$2,450-$12,750
Rabbit-4	VMS			Y					$1,050-$4,250
Rabbit-7	VMS				Y				$995-$5,245
Rabbit-9	VMS					Y			$1,150-$5,750
RAXMANAGER	VMS		Y	Y					$3,300-$18,750
RAXMASTER	VMS			Y	Y	Y	Y		$3,850-$19.5K
TAPECONTROL	VMS								$2,350-$19.5K
TAPECONVERT	VMS								$2,150-$5,150
Software Development Systems Inc. 800 448-7733									
CrossCode C	VMS/ULTRIX							777	$3,995-$4,995
FreeForm 68000 Debugger	VMS/ULTRIX							59	$2795-$3595
UniWare Cross Assemblers	VMS/ULTRIX							963	$1,595-$2,495
Software Development Systems Inc. 800 448-7733 (continued)									
UniWare Z80 C Compiler	VMS/ULTRIX							132	$3,495-$4,495

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If a System or Quorum Disk fails, SHADOW won't. SHADOW Disk Mirroring for VMS automatically takes over and keeps your critical applications running. You're notified of problems through VMS OPCOM and when the drive is repaired, SHADOW brings it up to date.

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Make More Smart Moves.

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SYSTEM SOFTWARE

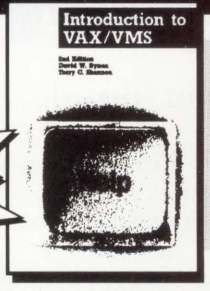
Product Name	Operating System	Security	Resource Accounting	Disk Management	Defragmenter	Tuning	Performance Monitoring	# Licenses	Price Range
Target Systems Corporation 508 460-9206									
Target-Batch	VMS	Y					Y		$4,995-$14,995
Target-Bulletin Board	VMS	Y					Y		$4,995-$14,995
Target-Cal/Plus	VMS	Y					Y		$2,995-$11,995
Target-Hotline	VMS	Y					Y		$4,995-$14,995
Target-Menu	VMS	Y					Y		$2,495-$7,495
Target-Sentinel	VMS	Y					Y		$2,995-$8,995
Techgnosis Inc. 407 997-6687									
Sequelink	VMS/UNIX/OS/2								$695-$4995

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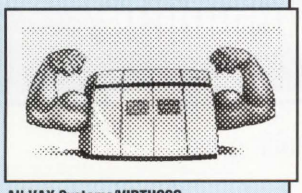
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EPSS (External Performance Simulation System) is a remote terminal emulator (RTE) used to generate an interactive terminal load for testing an applications performance and response-time metrics.

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PSS (Performance Simulation System) is an application regression testing system that provides facilities for generating interactive terminal data suitable for testing an applications performance and reliability.

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Recorder is a utility that captures one or more terminal sessions (input and/or output) to a disk file for subsequent analysis.

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All VAX Systems/TELEACCESS
Teleaccess is a system that simplifies the creation of DECtalk-based applications.

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Dynamic VAX system tuner that monitors and optimizes performance of the system automatically. Provides real-time displays of system and process statistics. Increases efficiency, throughput.

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Menu-driven resource management software featuring chargeback, cost allocation, automated system accounting and multi-level resource tracking. Full and flexible reporting capabilities.

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Contrl/CONTRL
Performance Monitoring
Lets user support staff end "terminal hopping" by instantly capturing, linking up, or interacting with any terminal session. Troubleshoot problems, collaborate on joint projects.

COMP-SHOOTERS INC.

CSBU
Menu-driven system to manage all VAX/VMS backups. Backup menu creates backup set, starts and controls backup jobs. AutoSchedule gives total scheduling flexibility.

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Integrated reporting, correction, and modeling functions automate security management. Pinpoints exposures in system accounts and data, creates correction routines and monitors against baselines.

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ECAP SYSTEMS INC.

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Converts ASCII files to Postscript, sends to any printer process attached to a Postscript device. Typeset-quality output by including user-modifiable font, format controls.

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The Eigen Utilities package contains over 100 utilities for VMS system management and program development, including detached process debugger, UNDELETE, RAMDISK, and more.

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The world's leading VMS-based data center management software. Operates on VMS, UNIX, and Ultrix systems, providing a full range of system accounting and management information.

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ISA/SysMaster helps avert application failures by automatically monitoring and correcting resource problems. Resource usage is tracked with a concise, comprehensive report.

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ISA/TaskMaster automates job scheduling on a VAX/VMS system. Features include scheduling based on specified schedule and exclusion dates and resource availability. Complex dependencies are supported.

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The easiest security tool for the networked VAX. Locates and helps correct Security Holes across the whole network. Free demo tape, Security Checklist, literature available.

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Fusion Software provides full TCP/IP support for VMS systems.

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Run up to 10 simultaneous sessions on the same terminal. Simple, flexible, easy-to-use user interface. Increases productivity of end users and developers.

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See the output of a user's terminal on your screen to really handle user problems. Support and teaching tool. Assumable keyboard control for problem resolution.

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Comprehensive and powerful tool for automatic testing and performance measurement of VMS-based software applications. Efficient and cost-effective for regression, multiuser, and saturation testing.

VIDEO
Security
Terminal-monitoring and recording package used for training, user support, help desk, system security, demonstrations. Terminal activity monitored, slaved, or recorded for playback or printing.

Raxco Software Inc.

PERFECTDISK
Defragmenter
Perfectdisk, a technically advanced Disk I/O Optimization System, safely makes files and free space contiguous by intelligently triggering a pass based on fragmentation activity.

Rabbit-1
Resource Accounting
Rabbit-1 menu-driven Resource Accounting System accesses charges on all VMS resources, including "session-level" accounting, audit tracking, and support for single CPUs or clusters.

capture
prioritize
lookup
route
track
respond
mail
report
analyze
solve

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Rabbit-11
Performance Monitoring
Virtual disk and caching system allocates virtual disks or places frequently accessed files in memory in order to maximize performance by reducing disk I/O.

Rabbit-2
Rabbit-2 capacity analysis system permits you to evaluate resource consumption trends, identify "bottlenecks" on the system, simulate changes, and report the resulting impact.

Rabbit-4
Disk Management
Disk Management system utilizes its disk monitor, on-line status report and database reports to enable the evaluation of disk space utilization and file allocation management.

Rabbit-7
Defragmenter
Rabbit 7 Disk defragmentation and optimization system safely eliminates file fragmentation and optimizes disk space, helping defer the purchase of additional hardware.

Rabbit-9
Tuning
While using little CPU resources, Rabbit-9 dynamic system tuner keeps memory performing at its best by adjusting VMS parameters in relation to changing user demands.

RAXMANAGER
Resource Accounting • Disk Management
With Raxmanager Resource Management System track resources, plan future capacity, identify bottlenecks, project accounting and chargeback. Features split-screen capability, synthetic entities, customized reports.

RAXMASTER
Disk Management • Defragmenter • Tuning • Performance Monitoring
Raxmaster System-Wide Performance Management provides disk analysis, disk defragmentation and optimization, dynamic system tuning, fixed and automatic caching, virtual disks, and file I/O analysis.

TAPECONTROL
Tapecontrol menu-driven Tape Management System monitors and manages magnetic tape storage activity. Automated tape handling facilities insure the integrity of the tape library.

TAPECONVERT
Tapeconvert, a tape utility useful in diverse user environments, enables an easy and effective "conversion" of tapes between VAX and IBM or other foreign tapes.

Software Development Systems Inc.

CrossCode C
CrossCode C generates ROMable code for all members of the Motorola 68000 family, including the 68020 and the 68881 floating point coprocessor.

FreeForm 68000 Debugger
FreeForm is a source-level C language debugger for 68000 family embedded systems development. Powerful command-based user interface. Debugs actual applications, requires no emulator.

UniWare Cross Assemblers
UniWare Cross Assemblers generate ROMable code for a variety of popular microprocessors.

UniWare Z80 C Compiler
The UniWare Z80 C Compiler generates ROMable code for the Zilog Z80 and Hitachi HD64180 microprocessors.

Target Systems Corporation

Target-Hotline

Target-Batch
Security • Performance Monitoring
Target-Batch offers scheduling, auditing, and at-a-glance reporting, for your batch jobs submitted on a regular, recurring, or single-run basis. Flexible system security.

Target-Bulletin Board
Security • Performance Monitoring
Target-Bulletin Board gives you quick and efficient distribution of company news and information. All organizations will appreciate its flexibility for all of their information sharing.

Target-Cal/Plus
Security • Performance Monitoring
Target-Calendar/Plus is a complete time management system. It lets you schedule meetings, notify users of events, take/receive messages, and keep a to-do list.

Target-Hotline
Security • Performance Monitoring
Target-Hotline enables your support groups or help desks to capture, organize, track, and respond to user questions and problems while eliminating backlogs and bottlenecks.

Target-Menu
Security • Performance Monitoring
Target-Menu is a powerful utility that allows you to create and maintain VAX/VMS menus and organize software options and DCL procedures into logical systems.

Target-Sentinel
Security • Performance Monitoring
Target-Sentinel lets you anticipate and react to potential system problems. Plus, an Asset Tracking System lets you maintain your assets vendors and purchase codes.

Technosis Inc.

SequeLink
SequeLink brings the power of your VAX RDBMS to all of your Macintosh, OS/2, and MS-DOS workstations.

E-MON: THE ETHERNET TRAFFIC COP AT A PRICE SO LOW IT'S CRIMINAL!

E-MON is VAX/VMS* software providing Ethernet* traffic analysis. Detect traffic bottlenecks by tracking the source and destination of any packet. E-MON works interactively or in capture mode. Examine the captured data in play-back mode or as written to the file. In both modes all displays and their parameters can be adjusted with a single keystroke. Tracks dynamically and displays user-defined, DECNET and hardware addresses. E-MON is compatible with DECNET, TCP/IP, all protocols and non-VAX nodes. E-MON provides a window into the Ethernet with filter options and can help you debug potential hardware configurations by load-testing specific addresses.
And it costs only $3,500 per network!

Rid your network of its gridlock. Try E-MON. Our **FREE** full-featured trial program is a real steal. Call us at:
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BEAR COMPUTER SYSTEMS INC.
9346 DE SOTO AVENUE, CHATSWORTH, CA 91311

*VAX/VMS is a registered trademark of Digital Equipment Corporation.
Ethernet is a registered trademark of Xerox Corporation.

E-MON is a trademark of Bear Computer Systems Inc.

DBMS

Product Name	Operating System	4GL	SQL Support	Report Writer	Model	# Licenses	Price Range
Alpine Datasystems Inc. 800 547-1837							
Legal Management	VMS/UNIX			Y		1-100	$4,500-$19,350
Project Time Management	VMS/UNIX			Y		1-100	$4,500-$19,350
Automated Office Systems Inc. 505 842-1247							
Searchmate	VMS			Y	II	100	$7K-$29K
Canalta Data Services 403 236-6100							
Lazer	VMS				Hier./Net.	12	$5K+
Charles River Data Systems 508 626-1000							
Relational Accelerator	UNIX	Y	Y	Y	Rel.		$50K
Cincom Systems Inc. 513 662-2300							
Supra	VMS/ULTRIX	Y	Y	Y	Rel.	500	$5K-$75K
Cognos Incorporated 800 4-COGNOS							
PowerHouse	VMS	Y	Y	Y	Rel.	4,000+	$5K-$230K
CompuServe Data Technologies 617 661-9440							
System 1022	VMS				Hier.	150	$22.5K-$111K
System 1032	VMS	4GL	Y	Y	Rel	1100	$3K-$180K
Conceptual Software Inc. 800 782-8969							
Prodas Database	VMS	Y		Y	Rel.	2500	$995-$5K
Corbin Willits Systems Inc. 415 790-5600							
MOM				Y	FAcctg.		$10K-$50K
ESCA Corporation 206 822-6800							
Habitat	VMS			Y	Hier.	300	
Fulcrum Technologies Inc. 613 238-1761							
Fulcrum Ful/Text	VMS/ULTRIX	Y	Y	Y	Inverted file	2500	$1K-$100K
Henco Software Inc. 617 890-8670							
Synchrony	VMSD	4GL		Y	Rel.		$50K
Information Builders Inc. 212 736-4433							
Focus	VMS/ULTRIX	Y	Y	Y	Rel./Hier.	2,500	$3K-$140K
Information Dimensions Inc. 800 328-2648							
BASISplus	VMS/ULTRIX	Y		Y	Rel.	1,800	$5K+
TECHUBplus	VMS/ULTRIX	Y		Y	Rel.	150	$8K+
Ingres 800 446-4737							
Ingres	VMS/ULTRIX	Y	Y	Y	Rel.	10K+	$10K-$220K
Inmagic Inc. 617 661-8124							
Inmagic	VMS			Y			$3850-$21,500
Interactive Software Systems Inc. 303 987-1001							
UDMS	VMS	Y	Y	Y	All	130	$4.5K-$54K
Interactive Technology Inc. 800 362-6203							
RDM:	VMS	Y		Y	Rel.	3500	$2K-$89K
National Information Systems Inc. (NIS) 408 985-7100							
DB-MACH2	VMS/A/VX	Y	Y	Y	Rel./Hier.	150	$1,320-$43,360
Park Software Inc. 206 343-0447							
XENTIS/Report	VMS		Y	Y	Independent	1500+	$1K-$15K

DBMS

Product Name	Operating System	4GL	SQL Support	Report Writer	Model	# Licenses	Price Range
Progress Software Corp. 800 327-8445							
Progress	VMS/ULTRIX	Y	Y	Y	Rel.		$1.250K-$190K
Raima Corporation 206 747-5570							
db_VISTA III	VMS/ULTRIX		Y	Y	Rel./Network	12,000	$1,695
Recital Corporation 508 750-1066							
Recital	VMS, ULTRIX	Y	Y	Y	Rel.	750	$1.5K-$40K
Servio Corporation 415 748-6200							
GemStone	VMS/UNIX/UL				Object	120+	$12K-$100K
Sir 708 480-9270							
SIR	VMS/ULTRIX	Y	Y	Y	Rel./Hier., Net	600+	$25K-$16K
Software Systems Design Inc. 714 625-6147							
Empress RDBMS	VMS/ULTRIX	Y	Y	Y	Rel.	6,000	
Sterling Software 613 727-1397							
ZIM	VAX/UNIX	Y	Y	Y	Rel.	15,000	$1,105+
Synercom 800 334-7101							
Informap	VMS/ULTRIX		Y	Y	Rel.		
TextBase Imaging Corp. 714 722-9648							
TextBase	VMS	Y		Y	Rel.	40	$12K-$169K
Viking Software Services Inc. 918 745-6550							
Viking Data Entry	VMS/ULTRIX				450+	100+	$3K-$20K
Viking Forms Manager Library	VMS/UNIX					400+	$400-$6,250



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INTERACTIVE SOFTWARE

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ALL-IN-1	DECmate	DIBOL	LA100	RdbExpert	UNIBUS	VAXstation
CDD	DECnet	DNA	MASSBUS	Rdb/VMS	VAX	VMS
DATATRIEVE	DECstation	Eve	MicroPDP-11	ReGIS	VAXBI	VMSmail
DEC	DECsystem	FMS	MicroVAX	RSTS/E	VAXcluster	VT
DECalc	DECUS	HSC	NAS	RSX	VAXELN	WPS
DECconnect	DECwindows	LAN Bridge	PDP	RT-11	VAX LISP	
DECgraph	DELNI	LAT	Q-bus	ThinWire	VAX SCAN	

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MS-DOS is a trademark of Microsoft Corp.
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X Window System is a trademark of MIT.
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DBMS

Alpine Datasystems Inc.

Legal Management
Report Writer
LM is a comprehensive timekeeping, billing, A/R and management analysis package. Also available are Conflicts of Interest and Docket/Calendar modules plus accounting-specific software.

Project Time Management
Report Writer
PTM is a comprehensive project cost tracking, billing, A/R and management analysis package. Also available are Audit Entry plus accounting-specific software.

Automated Office Systems Inc.

Searchmate
Report Writer
An automatic document searching and text retrieval system. It has broad application in any industry that requires instant access to a textual database of documents.

Canalta Data Services

Lazer DBMS

Charles River Data Systems

Relational Accelerator
4GL • SQL Support • Report Writer
The Relational Accelerator is a dedicated database engine for Oracle/VAX installations that increases Oracle's performances and frees up valuable VAX CPU, disk, and memory resources.

Cincom Systems Inc.

SUPRA
4GL • SQL Support • Report Writer
SUPRA relational database management system provides a complete environment focusing on high performance, ease of use, and data distribution.

Cognos Incorporated

PowerHouse
4GL • SQL Support • Report Writer
Comprehensive application development environment for distributing computing. It excels at meeting sophisticated needs in areas of 4GL, RDBMS, end user, application maintenance, and CASE technology.

CompuServe Data Technologies

System 1022
System 1022 is a DBMS for DEC 10 and DEC 20 systems.

System 1032
SQL Support • Report Writer
System 1032, 4GL/RDBMS for data-intensive, query-intensive VAX/VMS applications, maximizes productivity in application development and end-use. SQL, report writers, PC/Macintosh interfaces, code generators are available.

Conceptual Software Inc.

Prodas Database
4GL • Report Writer
Integrated statistics, graphics, and database package featuring a full set of statistical routines and a powerful programming language. Also runs under UNIX and DOS.

Corbin Willits Systems Inc.

MOM
Report Writer
For cities, counties, non-profits, colleges. G/L, A/P, A/R, P/O, Payroll/Personal, Business License, Emergency Services, Inventory, Harbor Billing, Pet License, Work Scheduling, Fund Raising.

ESCA Corporation

Habitat
Report Writer
Habitat is a flexible, database-driven management system for developing and managing data structures in real time with user interface management integrated with DBMS.

Fulcrum Technologies Inc.

Fulcrum Ful/Text
4GL • SQL Support • Report Writer
Fulcrum Ful/Text is a comprehensive full-text indexing retrieval software product. Features Application Program Interface and very sophisticated search options and supports client-server environments.

Henco Software Inc.

Synchrony
Report Writer
Synchrony integrates your text, data, and images. It runs on all DEC VAX computers and works with a variety of word processors and scanned documents.

Information Builders Inc.

Focus
4GL • SQL Support • Report Writer
Focus, a 4GL/DBMS, provides application development and reporting tools for developers and end users alike. Focus runs on all major platforms and accesses all major databases.

Information Dimensions Inc.

BASISplus
4GL • Report Writer
BASISplus is a text information management system providing an integrated repository for storing, retrieving, and managing text and multimedia information.

TECHUBplus
4GL • Report Writer
TECHUBplus provides patron access, cataloging, circulation control, serials control, and acquisitions/fund accounting for business and technical libraries and information resource centers worldwide.

Ingres

INGRES
4GL • SQL Support • Report Writer
Ingres' primary products are the INGRES relational database management system (RDBMS) and related development tools, available for VAX and 40 types of computers, including PCs and UNIX workstations.

Inmagic Inc.

Inmagic
Report Writer
Inmagic is text retrieval software that allows users to create any number of databases to control information of virtually any type, with no programming required.

Interactive Software Systems Inc.

UDMS
4GL • SQL Support • Report Writer
Provides transparent access across all the major VAX/VMS databases and file structures. Allows users to query, read/write/change/delete/report and graph all data using an intuitive user interface.

Interactive Technology Inc.

RDM:
4GL • Report Writer
RDM combines database and 4GL technology with advanced application development tools. No programming code is needed to build complete standalone, distributed and network systems.

National Information Systems Inc. (NIS)

DB-MACH2
4GL • SQL Support • Report Writer
DB-MACH2 RDBMS is a high-performance and easy-to-use DBMS. Users can enter, sort, manipulate, and report data without learning complicated syntax.

Park Software Inc.

XENTIS/Report
SQL Support • Report Writer
XENTIS is an end-user-oriented, "point and shoot" report writer able to easily access RMS, Rdb, DBMS-32, Ingres and Sybase data structures.

Progress Software Corp.

PROGRESS
4GL • SQL Support • Report Writer
PROGRESS is a 4GL and RDBMS that is used by OEMs, MIS professionals, and government agencies to rapidly develop sophisticated, transaction-oriented applications.

Raima Corporation

db-Vista III

db_VISTA III
SQL Support • Report Writer
db_VISTA combines the network and relational database models to create a high-performance DBMS. db VISTA is written in C and is portable across many environments.

Recital Corporation

Recital
4GL • SQL Support • Report Writer
Applications data dictionary, triggers, screen painter, report writer, pop-up calendars, choice lists, menus, note pads, data bridges (RMS, Rdb), SQL, DBase compatibility, and more.

Servio Corporation

GemStone
GemStone is a full-featured object database management system. Using a multithreaded client server architecture, GemStone supports a wide variety of languages, platforms, networks, operating systems and user interfaces.

Sir

SIR
4GL • SQL Support • Report Writer
SIR, an integrated set of data management/application development tools, includes procedural/4GL language, 3GL interface, forms data-entry, Schema database design system and SQL.

Software Systems Design Inc.

Empress RDBMS
4GL • SQL Support • Report Writer
Incorporates ANSI standard SQL, "C" callable RDBMS kernel, full-function report writer, 4GL application generator, and a complete set of productivity tools into one integrated environment.

Sterling Software

ZIM
4GL • SQL Support • Report Writer
Fully integrated application development 4GL/RDBMS, based on the Entity-Relationship data model. Provides a comprehensive set of development tools and 100 percent application code portability.

Synercom

INFORMAP
SQL Support • Report Writer
INFORMAP provides a comprehensive interactive graphic and spatial database system and is designed to build, manage, and integrate spatially dispersed assets for major organizations worldwide.

TextBase Imaging Corp.

TextBase
4GL • Report Writer
Full Text Retrieval System that supports both fixed and variable length information within a relational database. Supports WordPerfect and ASCII text files.

Viking Software Services Inc.

V3.10
Viking Data Entry
Application generator for keyboard data entry. Can replace dedicated data entry machines, reducing costs and increasing productivity. Used for 1990 census.

Viking Forms Manager Library
Multiplatform screen generator. Replacement for FMS or DECforms. VFM has many additional features and is completely portable between various operating systems.

DEVELOPMENT SOFTWARE

4GL

Product Name	Operating System	DBMS	Query Support	SQL Support	Forms Design	Report Writer	# Licenses	Price Range
Applied Information Systems Inc. 919 942-7801								
EasyEntry	VMS/MS-DOS	Oracle/Rdb	Y		Y		500+	$490-$17K
Command Business Systems Inc. 714 634-4041								
Structure/4	VMS				Y	Y		$19K-$30K
Cosmic University of Georgia 404 542-3265								
Transport Appl Exec	VMS/ULTRIX				Y		400	$500
Dimension Software Systems Inc. 214 580-1045								
Freeform	VMS/ULTRIX	Sybase/Sharebase	Y	Y	Y	Y	100+	$3.2K-$90K
Empress Software Inc. 301 220-1919								
Empress	VMS/ULTRIX	RDBMS	Y	Y	Y	Y	6,000	
InSync Software 516 981-3000								
PASSPORT	VMS	Sybase/Oracle	Y	Y	Y	Y	300	$4K+
Interactive Software Systems Inc. 303 987-1001								
UDMS/4GL	VMS	Y	Y	Y	Y	Y	130	$4.5K-$54K
Interbase Software Corp. 617 275-3222								
InterBase	VMS/ULTRIX	Prop.	Y	Y	Y	Y	4,000	$4.2K-$40K
JYACC Inc. 212 267-7722								
Jam	VMS/ULTRIX		Y	Y	Y	Y	6,500	$595-$35K
Jam/DBi	VMS/ULTRIX		Y	Y	Y	Y	4,000	$395-$17.5K
Must Software International 203 845-5000								
Nomad	VMS	Rbd/Nomad	Y	Y	Y	Y	100	$4K-$48K
National Information Systems Inc. (NIS) 408 985-7100								
Accent R	VMS/A/VX	Oracle/RDB/Prop.	Y	Y	Y	Y	350	$3,300
Smartstar Corporation 805 685-8000								
SmartStar	VMS/ULTRIX	Or/Rdb/RMS	Y	Y	Y	Y	2,000	$3K-$170K
Touch TechnologiesInc. 800 525-2527								
I/O Plus	VMS					Y	50	$995-$3,995
INTOUCH	VMS	ALL	Y		Y	Y	60	$1.5K-$40K

CASE

Product Name	Operating System	DBMS	Target Market	Methodology	Diagramming	Prototyping	Code Generation	Documentation Generation	# Licenses	Price Range
Andersen Consulting 313 580-0033										
Foundation	VMS	Rdb	Gen.	Y/P	Y	Y	Y	Y	500+	$35K-$275K
Applied Microsystems Corporation 206 882-2000										
Validate/XEL	VMS		ES							$14K-$26K
Atherton Technology 408 734-9822										
Software BackPlane	VMS/ULTRIX	Proprietary	R/G							$5K
Deft Inc. 416 249-2246										
Deft	VMS	Or/Rdb/I/Syb	IMS	Yrdn.	Y	Y	Y	Y	1000	$5900+
Hypersoft Corporation 617 864-8860										
Applications Browser	VMS	Gen.			Y			Y		$3K-$40.2K
I-Logix inc. 617 272-8090										
Statemate	VMS/ULTRIX	Rdb	Real.	Flex.	Y	Y	Y	Y		$5K-$25K
Index Technology 617 494-8200										
Excelerator	VMS/DOS	DB2/Or/Rdb	Comm.	Yrdn.	Y	Y	Y	Y	21K+	$8,400
Information Builders Inc. 212 736-4433										
FACT	VMS	Focus/Rdb	Gen.	Prop.	Y	Y	Y			$5K
Interactive Development Environment 415 543-0900										
Software through pictures	VMS/ULTRIX	Troll/USE	Gen.	Yrdn.	Y	Y	Y	Y	3K+	$5K-$21K
McDonnell Douglas 314 233-3639										
Pro-IV	VMS/ULTRIX	Or/I/Rdb	Gen.			Y	Y	Y	4K	$5K-$120K
Netron Inc. 416 636-4847										
Netron/CAP	VMS/MVS	All	Gen.	Y/P	Y	Y	Y	Y	155	$50K-$600K
Netron/CAP 2.04	VMS/MVS	Or/Rdb/Prop.	Gen.	Y/P	Y	Y	Y	Y	155	$50K-$600K
Oasys 617 890-7889										
6780x0 Cross Assembler/Linker	VMS/ULTRIX		Real.							$2,700
680x0 Cross Compilers	VMS/ULTRIX		Real.							2000
88000 Cross Assembler/Linker	VMS/ULTRIX		Real.							$2,600
88000 Cross Compilers	VMS/ULTRIX		Real.							$2K
Glockenspiel C++	VMS/ULTRIX	Rdb	Gen.	Yrdn.			Y			$1,200
Green Hills 80386 Compilers	VMS/ULTRIX		Real.							$2K
Oasys 680x0 Simulator	VMS/ULTRIX		Real.							$2K
Oasys 88000 Simulator	VMS/ULTRIX		Real.							$2K
UDB- Universal Remote Debugger	VMS/ULTRIX		Real.							$2K
Six Sigma CASE Inc. 206 643-6911										
Canonizer	ULTRIX	Or/Ingres	Gen.	Norm.	Y		Y	Y	25	$895-$1,995
Softool Corporation 805 683-5777										
CCC/BASIC	VMS	Prop.	RT/Gen.	Gen.				Y	1K+	
CCC/CMS	VMS	Prop.	RT/Gen	Gen.				Y	1K+	
CCC/DM	VMS	Prop.	RT/Gen.	Gen.				Y	1K+	
CCC/Native	ULTRIX/VMS	Prop.	RT/Gen.	Gen.				Y	1K+	
Software A&E 703 276-7910										
KES 3.0	VMS/ULTRIX	Or/Dbase	R/G	Prop.	Y	Y	Y	Y	2K	$4K-$60K
Software Leverage 617 648-1414										
VxWorks	VMS/ULTRIX		Real.							$15K-$18K
Software Systems Design Inc. 714 625-6147										
ADADL-Ada/PDL	VMS/ULTRIX	Prop.	Gen.	Any		Y	Y	Y	200+	$6,500+
ARIS-Ada Code Generator	VMS/ULTRIX	Prop.	Gen.	Any		Y	Y	Y	10+	$10K+

CASE

Product Name	Operating System	DBMS	Target Market	Methodology	Diagramming	Prototyping	Code Generation	Documentation Generation	# Licenses	Price Range
Software Systems Design Inc. 714 625-6147										
CDADL	VMS/ULTRIX	Prop.	Gen.	Any		Y	Y	Y		$6K
DocGen	VMS/UNIX	Prop.	Gen.	Any				Y	50+	$6K
GrafGen	VMS/ULTRIX	Prop.	Gen.	Any	Y	Y			5+	$7K+
TestGen-Ada Testing Tool	VMS/ULTRIX	Prop.	Gen.	Any				Y	40+	$6K+
Synthesis Computer Technologies Inc. 213 494-4069										
PROCASE	VMS	RMS/Rdb	Gen.	Prop.	Y	Y	Y	Y	120	$5K-$70K
UniPress Software Inc. 800 222-0550										
Emacs Programmer's Editor	ULTRIX/VMS			C Prog						$395

TOOLKITS

Product Name	Operating System	Language Support	Type	# Licenses	Price Range
A/Soft Development Inc. 508 683-4369					
nu/TPU	40 UNIX/DOS	C	EVE/EDT		$325-$5K
Bernstein & Associates Inc. 404 392-1488					
Build-A-Course	VMS/UNIX				
JYACC Inc. 212 267-7722					
JAM/SQL	VMS/ULTRIX	C/Fortran	Character	6,000+	
Novell Inc. 415 947-0998					
TCPort Developers Tool Kit	MAC DS	MPWC/THINK C		Unltd.	$2,500
Oregon Software Inc. 503 245-2202					
Cross Complier	VAX/VMS	Modula/Pascal	Compiler	Unltd.	$3K-$51K
Oregon C++	VMS/ULTRIX	ANSI/C/K&R C/C++	Compiler	Unltd.	$2K-$34K
Oregon Modula-2	VMS	Modula	Compiler	Unltd.	$1.5K-$25K
Pascal-2	VMS/ULTRIX	Pascal	Compiler	Unltd.	$1K-$25K
Source Tools	VMS		Source code mgmt.	Unltd.	$400-$10K
Resources Planning Associates Inc. 607 257-4305					
CAPLIB 3.1	VMS/DOS	Fortran/C/Pascal	Graphics	25	$795-$3K
Software Translations Inc. 414 673-7041					
B-Tran/B+	ULTRIX	C	Translator/compiler	110+	$7.5K-$75K
B-Tran/VX	VMS/ULTRIX	C	Translator/compiler	5	$150K
VX-RT	ULTRIX	C	System services	10	

4GL

Applied Information Systems Inc.

EasyEntry
Query Support • Forms Design
The forms management and data entry system that combines features of key-to-disk systems with the power and flexibility of DEC and IBM-PC computers.

Command Business Systems Inc.

Structure/4
Forms Design • Report Writer

Cosmic University of Georgia

Transport Appl Exec
Forms Design
Use X Window base to design custom user interfaces. TAE PLUS generates either C or FORTRAN interface to applications. Source code included.

Dimension Software Systems Inc.

Freeform
Query Support • SQL Support • Forms Design • Report Writer
An operating system independent, client system independent, and server independent application development environment that runs on VAXs, PCs, and UNIX systems accessing Sybase, Sharebase, teradata.

Empress Software Inc.

Empress 4GL
Query Support • SQL Support • Forms Design • Report Writer
Fourth generation environment specifically designed for developing on-line, interactive applications. Features include screen painting, overlapping windows, function key definition and event driven execution.

InSync Software

PASSPORT
Query Support • SQL Support • Forms Design • Report Writer
Passport is a powerful, SQL-based application development tool designed to support the creation of customized, interactive-oriented and relational database applications.

Interactive Software Systems Inc.

UDMS/4GL
Provides full file access (read, write, change, delete) and reporting for all major VAX/VMS databases, simultaneously. Allows conditional loads, calculations, if-then-else logic, and more.

Interbase Software Corp.

InterBase
Query Support • SQL Support • Forms Design • Report Writer
InterBase is an advanced relational DBMS that provides features targeted at the needs of highly complex database applications in dynamic, distributed environments.

JYACC Inc.

Jam
Query Support • SQL Support • Forms Design • Report Writer
User interface management system that allows developers to prototype design and build applications quickly and efficiently.

Jam/DBi
Query Support • SQL Support • Forms Design • Report Writer
JAM/DBi is an add-on product to JAM allowing JAM applications to link to popular SQL-based databases including DEC's Rdb, VAX/SQL services and Ultrix/SQL.

Must Software International

Nomad
Query Support • SQL Support • Forms Design • Report Writer
Nomad is a comprehensive relational 4GL/DBMS for application development and end user computing. Supports client/server and comparative processing between PCs, minis and mainframes.

National Information Systems Inc. (NIS)

Accent R
Query Support • SQL Support • Forms Design • Report Writer
A Total Applications Development Environment with SQL, a structured programming language, screen generator, report generator, and menu generator. Replaces 3GLs with higher programmer productivity environment.

SmartStar Corporation

SmartStar
Query Support • SQL Support • Forms Design • Report Writer
SmartStar is an SQL-based application development environment designed specifically for the DEC VAX/VMS and Ultrix platforms.

Touch Technologies Inc.

I/O Plus
Report Writer
A unique software utility that analyses disk file I/O and lock usage. This utility also does complete cluster "lock mastering" analysis for VAXclusters.

INTOUCH
Query Support • Forms Design • Report Writer
The "Next Generation Language" performs third- and fourth-generation functions, but also includes the fuzzy logic of fifth-generation languages. Written in BLISS-32.

CASE

Andersen Consulting

Foundation
Diagramming • Prototyping • Code Generation • Documentation Generation
Foundation provides an integrated suite of development tools complementing the Digital CASE strategy. Foundation is a full lifecycle solution for a distributed TP environment.

Applied Microsystems Corporation

VALIDATE/XEL
Validate/XEL is a cross-development environment for embedded systems. Includes interactive source level debugger (Validate/XICE), a simulator (X-Ray), and C cross compiler (MCC68K).

Deft Inc.

Deft
Diagramming • Prototyping • Code Generation • Documentation Generation
Deft is a CASE system for RDBMS engineers. Deft utilizes Macintosh's interface to design, generate, and reverse engineer database systems.

Hypersoft Corporation

Applications Browser
Diagramming • Documentation Generation
Interactive reverse engineering tool for existing COBOL applications. Helps developers analyze applications and generates technical documentation automatically. Available for IBM PCs running MS-DOS.

I-Logix Inc.

Statemate
Diagramming • Prototyping • Code Generation • Documentation Generation
Statemate is used to specify and analyze complex reactive systems. It enables early detection of errors and assignments through powerful visual modeling and executable specifications.

Index Technology

Excelerator
Diagramming • Prototyping • Code Generation • Documentation Generation
A totally integrated workbench for analysis and design featuring graphics, screen and report design, analysis tools, documentation production, data sharing and a central dictionary.

Information Builders Inc.

FACT
Diagramming • Prototyping • Code Generation
FACT (Focus Application Creation Tool) is a CASE for Focus application developers which generates windows, schemas, and database mainframe code.

Interactive Development Environment

Software Through Pictures
Diagramming • Prototyping • Code Generation • Documentation Generation
Software Through Pictures is an integrated, multiuser CASE environment supporting requirements analysis, design, code generation and documentation of real-time embedded/non-embedded and information systems.

McDonnell Douglas

Pro-IV
Prototyping • Code Generation • Documentation Generation
An application development language (4GL) that offers portability, performance and productivity. Run-time systems available.

Netron Inc.

Netron/CAP
Diagramming • Prototyping • Code Generation • Documentation Generation

Netron/CAP 2.04
Diagramming • Prototyping • Code Generation • Documentation Generation
Software engineering system for automating the development of COBOL applications. Based on Bassett Frame Technology, a unique software architecture for reusing code.

Oasys

6780x0 Cross Assembler/Linker
Consists of Macro Assembler, Linker, Librarian, Cross Reference Utility and Symbol File Format Utility. Provides Motorola-compatible tools for generating 680x0 modules with 68881 Floating Point support.

680x0 Cross Compilers
The SE compilers are constructed as a combination of language-specific "front-ends," and target-specific "code-emitters" (88000, 68000/10/20/30, 80x86) that are interlanguage callable.

88000 Cross Assembler/Linker
Consists of Macro Assembler, Linker, Librarian, Cross Reference Utility and Symbol File Format Utility. Provides Motorola compatible tools for generating 88000 COFF object modules.

88000 Cross Compilers
Based on Green Hills Software's integrated family of compilers, they are constructed as a combination of language-specific "front ends" and target-specific "code emitters" (88000).

Glockenspiel C++
Code Generation
Glockenspiel C++ (Designer C++) is proprietary implementation of C++ language, version 2.0, a completely compatible superset of C. C++ offers strong type-checking, object-oriented programming.

Green Hills 80386 Compilers
The Green Hills C, Pascal, and FORTRAN 386 compilers offer unsurpassed functionality and optimization in native and cross modes.

Oasys 680x0 Simulator
The Oasys 680x0 simulator creates a complete simulated 680x0 run-time environment on the host CPU. Allows developers to execute complete and partial 680x0 binary images.

Oasys 88000 Simulator
Creates a complete 88000 RISC run-time environment on host CPU, executes 88000 binary images, steps through programs instruction by instruction, collects timing information, verifies program accuracy.

UDB-Universal Remote Debugger
UDB (Universal Remote Debugger) is a window-oriented, remote debugging environment for single and multiple embedded microprocessors (supports Motorola 680x0 and 88000 embedded development).

Six Sigma CASE Inc.

Canonizer
Diagramming • Code Generation • Documentation Generation
Database design tool; produces a normalized schema in SQL. Reduces data redundancies, increases data integrity, increases query reliability. Increases overall database performance and decreases database size.

Softool Corporation

CCC/BASIC
Documentation Generation
CCC/BASIC is a change and configuration control application that lets you implement your own methodology and procedures.

CCC/CMS
Documentation Generation
CCC/CMS is a change and configuration control application that complements DEC/CMS by providing full configuration-management functionality. It is transparent to DEC/CMS users.

CCC/DM
Documentation Generation
CCC/DM is a turnkey application that provides tools, methodology and procedures for change and configuration control and for approval and migration of changes.

CCC/Native
Documentation Generation
CCC/Native is the foundation of the CCC product family. It provides building blocks for managing changes, configurations, and dependencies and for controlling access to an application.

Software A&E

KES 3.0
Diagramming • Prototyping • Code Generation • Documentation Generation
Written in C, KES is highly portable and easily embedded serving as a powerful productivity tool providing cost-effective, reliable solutions to business problems.

Software Leverage

VxWorks
A distributed real-time development system that uses industry standard networking to tie VAXs and DECstations to 680x0 target boards for more efficient development.

Software Systems Design Inc.

ADADL-Ada/PDL
Prototyping • Code Generation • Documentation Generation
ADADL is the Ada/PBL selected by JIAWG for the Air Force ATF, Army LHX and the Navy A-12. Programs help designers develop Ada programs accurately.

ARIS-Ada Code Generator
Prototyping • Code Generation • Documentation Generation
ARIS automatically produces top level Ada design by analyzing requirements as expressed using data flow diagrams, RTSA tools. Eliminates need for structured design, graphical design tools.

CDADL
Prototyping • Code Generation • Documentation Generation
CDADL is a C program design language that helps large design teams develop C programs quickly and accurately. Evaluates McCabe complexity metric.

DocGen
Documentation Generation
DocGen automatically produces DoD-Std-2167A Design Documentation (SDD) from the information in the Ada design. Also works with NASA standards.

GrafGen
Diagramming • Prototyping
GrafGen is a reverse engineering tool that helps view the design graphically or to print using Postscript printers.

TestGen-Ada Testing Tool
Documentation Generation
TestGen helps review the design, analyzes pseudo-code, and prepares Unit Test plans. Works with either Ada or the C language.

Synthesis Computer Technologies Inc.

PROCASE
Diagramming • Prototyping • Code Generation • Documentation Generation
Procase is a CASE that generates complete COBOL programs, starting from high-level specifications. If necessary, user code can be added in a structured way.

UniPress Software Inc.

Emacs Programmer's Editor
Develop software and run jobs through language-specific editing modes, automatic management of the compiling process, and databases with descriptions of keywords and language constructs.

Toolkits

A/Soft Development Inc.

nu/TPU
nu/TPU is modeled after Digital's 5.0 VMS/TPU (Text Processing Utility.) nu/TPU includes EVE, EDT, WPS, and VI editing interfaces for UNIX, DOS, and OS/2 systems.

Bernstein & Associates Inc.

Build-A-Course
Build-A-Course enables you to design your own on-site, tailored VAX/VMS training program. VAX consulting services are available as well.

JYACC Inc.

JAM/SQL
A user interface management system that significantly speeds up application development, increases productivity and improves software quality. Consists of powerful screen developer, and more.

Novell Inc.

TCPort Developers Tool Kit
TCPort Developers Tool Kit is a software platform for the development of distributed Macintosh network applications running on top of TCP/IP.

Oregon Software Inc.

Cross Compiler
The Cross-Development System of the optimizing cross-compiler and run-time support library, and the Oregon Linker/Assembler.

Oregon C++
Oregon C++ Development System consists of true optimizing compiler, source-level debugger and C/C++ class libraries; switch-selectable for ANSI C, K&R C, C++.

Oregon Modula-2
Oregon Modula-2 Development System is based on a proprietary, transportable, highly optimizing compiler that generates compact, fast code and conforms to the emerging (ISO) standard.

Pascal-2
Pascal-2 Development System provides optimizing Pascal compiler; an interactive, source-level debugger; a Profiler that pinpoints execution bottlenecks; and other utilities to aid program development.

Source Tools
The Source Tools Management System contains four components: source code control system (SOURCECON), file rebuilding system (MAKE), file-comparison utility (TXTCOM), and stream editor (SEDIT).

Resources Planning Associates Inc.

CAPLIB 3.1
Object library supporting menuing, pick devices, graphic primitives, screen management, image and data import/export, session journaling, on-line help, multilingual menus/messages, hardcopy, and more.

Software Translations Inc.

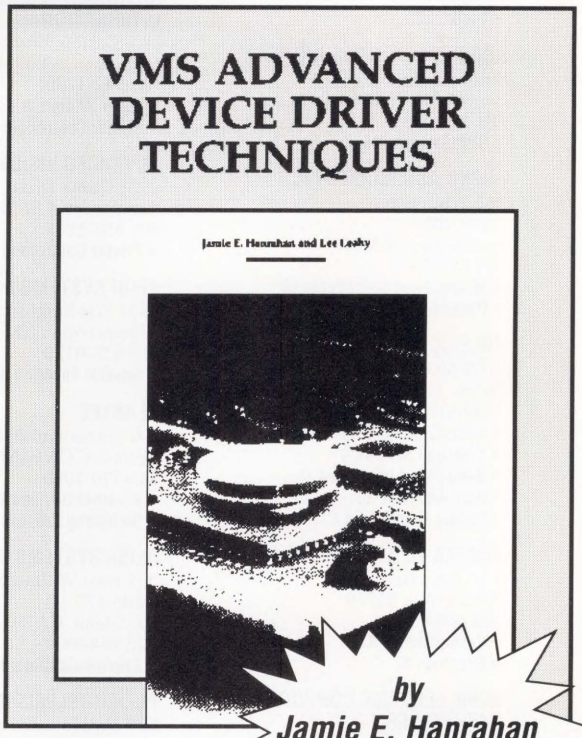
B-Tran/B+
DEC BASIC Plus/BASIC Plus 2-to-C source code translator. Produces C code that is portable across VMS, UNIX, MS-DOS and OS/2 platforms.

B-Tran/VX
VAX BASIC-to-C source code translator. Produces portable C code. Available in source code format only. Optional RMS source code module available.

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22 Morgan Avenue
Irvine, CA 92718-2094
714 553-0247
• Communication Controllers 3
• Multiplexers 3
• Memory Boards 7
• Communications Servers 3
• Laser Printers 9
• Special Function Boards 13

CANALTA DATA SERVICES
7100-44th Street S.E.
Calgary, AB T2H 1X2
Canada
403 236-6100
• DBMS 19

CANOGA-PERKINS
21012 Lassen Street
Chatsworth, CA 91311-4241
818 718-6300
• Modems 3
• Multiplexers 3
• Ethernet Devices 4
• Monitoring and Test Devices 14

CARLSON COMPUTER INTERNATIONAL
3534 E. Sunshine Hwy
Springfield, MO 65809
417 887-1907 • 800 548-7073
• Distributors/Resellers 16

CASAT TECHNOLOGY INC.
10 Northern Blvd.
Unit 5
Amherst, MA 03031
603 880-1833
• Ethernet Devices 4

CASE/DATATEL
55 Carnegie Plaza
Cherry Hill, NJ 08003
800 424-4451 • 609 424-4451
• Modems 3-5
• Multiplexers 3
• X.25 Pad Processors 4

CBM ASSOCIATES INC.
1500 Jerusalem Avenue N.
Merrick, NY 11566
516 483-5300
• Financial Accounting 17

CENTURY SOFTWARE
5284 S. 320 West
Suite C-294
Salt Lake City, UT 84107
801 268-3088
• Communications 17
• Terminal Emulation 17

CHARLES RIVER DATA SYSTEMS
983 Concord Street
Framingham, MA 01701
508 626-1000
• DBMS 19

CHI CORPORATION
31200 Carter Street
Solon, OH 44139
216 349-8600 • 216 349-8620
• Display Terminals 8

CHIPCOM CORPORATION
118 Turnpike Road
Southborough Office Park
Southborough, MA 01772
508 460-8900
• Ethernet Devices 4

CHRISLIN INDUSTRIES INC.
31332 Via Colinas
Westlake Village, CA 91362
818 991-2254
• Memory Boards 7

CHROMATICS
2558 Mountain Industrial Blvd.
Tucker, GA 30084-3893
404 493-7000
• Graphics Terminals 8

CIE AMERICA INC.
2515 McCabe Way
Irvine, CA 92714
714 757-4483
• Dot Matrix Printers 9

CINCOM SYSTEMS INC.
2300 Montana Avenue
Cincinnati, OH 45211
513 662-2300
• DBMS 19

CIPHER DATA PRODUCTS INC.
9715 Business Park Avenue
San Diego, CA 92131
619 693-7153
• Tape Drives 6

CLARY CORPORATION
320 W Clary Avenue
San Gabriel, CA 91776-1306
818 287-6111
• UPS Systems 11

CLAYTON COMPUTER SYSTEMS
271-I Opportunity Street
Sacramento, CA 95838
916 925-5727
• Distributors/Resellers 16
• System Integrators/OEMs/VARs 16

CLEARPOINT RESEARCH CORPORATION
35 Parkwood Drive
Elmwood Industrial Park
Hopkinton, MA 01748
800 253-2778 • 508 435-2000
• Memory Boards 7

CLM/SYSTEMS
4023 S. Dale Mabry
Tampa, FL 33611
813 831-7090
• CAD/CAM 17

CLYDE DIGITAL
371 East 800 South
Orem, UT 84058
801 224-5306
• System Software 18

CMC
125 Cremona Drive
Santa Barbara, CA 93117
805 968-4262
• Communication Controllers 3
• Ethernet Devices 4
• Terminal Servers 4

CMD TECHNOLOGY INC.
3851 South Main Street
Santa Ana, CA 92707
714 549-4422 • 800 426-3832
• Host Adapters 13
• Disk Controllers 5

CMS ENHANCEMENTS INC.
1372 Valencia Avenue
Tustin, CA 92680
714 259-9555 • 714 259-5903
• Disk Controllers 5
• Disk Subsystems 5
• Optical Subsystems 5
• Tape Controllers 6
• Tape Subsystems 6

COASTCOM
2312 Stanwell Drive
P.O. Box 27068
Concord, CA 94527
415 825-7500
• Multiplexers 3

CODA INC.
Numerica Bldg., 6th Floor
1155 Elm Street, Box 13
Manchester, NH 03101
603 647-9600
• Financial Accounting 17

CODAR TECHNOLOGY INC. COMPUTER PRODUCTS DIVISION
2405 Trade Centre Avenue
Longmont, CO 80503
303 776-0472
• Specialized Systems 1
• Disk Subsystems 5
• Tape Subsystems 6

CODEX CORPORATION
20 Cabot Blvd.
Mansfield, MA 02048
508 261-4000 • 508 261-1203
• Specialized Systems 1
• Modems 3
• Multiplexers 3

CODONICS INC.
18001 Englewood Drive
Middlesburg Heights, OH 44130
216 243-1198
• Graphics Terminals 8
• Hard Copy Units 9

COEFFICIENT SYSTEMS CORP.
611 Broadway
New York, NY 10012
212 777-6707
• Terminal Emulation 17

COGNITION
755 Middlesex Tpk.
Billerica, MA 01821
508 667-7900
• CAD/CAM 17

COGNOS INCORPORATED
67 South Bedford Street
Burlington, MA 01803-5164
800 4-COGNOS • 800 426-4667
• DBMS 19

COLORGRAPHIC COMMUNICATIONS CORP.
5388 New Peachtree Road
Atlanta, GA 30341
404 455-3921
• Graphics Terminals 8
• Workstations 8

COLT SOFTWARE TECHNOLOGIES INC.
P.O. Box 8716
Red Bank, NJ 07701
201 308-4404
• Financial Accounting 17

COMDISCO DISASTER RECOVERY SERVICES
6111 N. River Road
Rosemont, IL 60018
708 698-3000
• Disaster Recovery 15

COMM/SCOPE INC.
1375 Lenoir-Rhyne Blvd.
Hickory, NC 28602
800 982-1708 • 704 324-2200
• Wiring Systems and Cables 14

COMMAND BUSINESS SYSTEMS INC.
15451 Red Hill Ave.
Suites D & E
Tustin, CA 92680
714 634-4041 • 800 223-2942
• 4GL 20

COMMUNICATIONS RESEARCH GROUP
5615 Corporate Blvd.
3RD Floor
Baton Rouge, LA 70808
504 923-0888
• System Software 18

COMP-SHOOTERS INC.
285 Littleton Road
Suite 10
Westford, MA 01886
508 692-0756
• System Software 18

COMPU-SHARE INC.
5214 68th Street
Suite 200
Lubbock, TX 79424
806 794-1400
• Financial Accounting 17

COMPUSERVE COLLIER-JACKSON INC.
3707 W. Cherry Street
Tampa, FL 33607-2596
813 872-9990
• Financial Accounting 17

COMPUSERVE DATA TECHNOLOGIES
1000 Massachusetts Avenue
Cambridge, MA 02138
617 661-9440
• DBMS 19

COMPUTER DATACO
2020 Charlotte
Kansas City, MO 64108
800 821-5003 • 816 221-1212
• Leasing/Rental 16

COMPUTER EXPRESSIONS
3833 Chestnut Street
Philadelphia, PA 19104
215 222-4400
• Supplies 16

COMPUTER INFORMATION SYSTEMS INC.
120 Wells Avenue
Newton, MA 02159
617 527-1550
• System Software 18

COMPUTER METHODS CORPORATION
525 Route 73 South
Suite 300
Marlton, NJ 08053
609 596-4360
• Training/Consulting 16

COMPUTER POWER INC.
124 W Main Street
High Bridge, NJ 08829
800 526-5088 • 201 638-8000
• Power Conditioners 11
• UPS Systems 11

COMPUTER PRODUCTS INC. MEASUREMENT & CONTROL DIVISION
2900 Gateway Drive
Pompano Beach, FL 33069
305 974-5500
• Specialized Systems 1
• Miscellaneous Products 16
• Modems 3
• Multiplexers 3
• Terminal Servers 4
• Printer Controllers 13
• Timing Devices 14

COMPUTER SECURITY CONSULTANTS INC.
590 Danbury Road
Ridgefield, CT 06877
203 431-8720
• Training/Consulting 16
• Disaster Recovery 15

COMPUTER SYSTEMS TECHNOLOGY
22932 El Toro Road #2
El Toro, CA 92630
714 458-8567
• Disk Drives 5

COMPUTER TRANSPORTATION SERVICES
107 Main Street
Box 8
Breda, IA 51436
800 831-0030 • 712 673-2354
• Miscellaneous Services 16

COMPUTRON TECHNOLOGIES CORP.
150 Meadowland Parkway
Secaucus, NJ 07094
800 669-0119
• Financial Accounting 17

CONCEPTUAL SOFTWARE INC.
P.O. Box 56627
Houston, TX 77256
800 782-8969 • 713 667-4222
• DBMS 19

CONSTANTINE ENGINEERING LABS
70 Constantine Drive
Mahwah, NJ 07430
201 327-1123
• Miscellaneous Printers 9

CONTEMPORARY CYBERNETICS GROUP INC.
11846 Rock Landing
Newport News, VA 23606
804 873-0900
• Tape Subsystems 6
• Distributors/Resellers 16

CONTINUUM CONSULTING LTD.
19125 N Creek Parkway
Bothell, WA 98011
206 485-4357
• Training/Consulting 16

CONTROL MODULE INC.
380 Enfield Street
Enfield, CT 06082
203 745-2433
• Display Terminals 8
• Bar Code Readers 14

CONTROLEX CORPORATION
16005 Sherman Way
Van Nuys, CA 91406
818 780-8877
• Disk Subsystems 5

CONTROLLED POWER COMPANY
1955 Stephenson Highway
Troy, MI 48083
800 521-4792
• Power Conditioners 11
• Power Distribution Controllers 11
• UPS Systems 11

CONVEX COMPUTER CORPORATION
300 Waterview Pkwy.
Richardson, TX 75080
214 497-4000
• CPU Systems 1

CORBIN WILLITS SYSTEMS INC.
35754 Missions Blvd.
Fremont, CA 94536
415 790-5600
• DBMS 19

COSMIC UNIVERSITY OF GEORGIA
382 E. Broad Street
Athens, GA 30602
404 542-3265
• 4GL 20

CREO PRODUCTS INC.
110-3700 Gilmore Way
Burnaby, BC V5G 4M1
Canada
604 437-6879
• Optical Drives 5

CROSSWIND TECHNOLOGIES INC.
6630 HWY 9
Suite 201
Felton, CA 95018
408 335-4988
• Office Automation 17

CSPI
40 Linnell Circle
Billerica, MA 01821
617 272-6020 • 800 325-3110
• Array Processors 2

CTSI INTERNATIONAL INC. INFOSCRIBLE OPERATION
75 Mall Drive
Commack, NY 11725
516 864-5260
• Dot Matrix Printers 9

CUESTA SYSTEMS CORP.
3440 Roberto Court
San Luis Obispo, CA 93401
805 541-4160
• UPS Systems 11

CXR TELCOM CORPORATION
521 Charcot Avenue
San Jose, CA 95131
408 435-8520
• Modems 3

CYBERCHRON CORPORATION COMPUTER & ELECTRONICS SYSTEMS
US RT. 9
PO Box 160
Colorado Spring, NY 10516
914 265-3700 • 914 265-3752
• Specialized Systems 1

CYBERNEX DIVISION OF ZAVITIZ TECHNOLOGY, INC.
2373 Stevenage Drive
Ottowa, Ontario K1G 3W1
Canada
613 738-9301
• Graphics Terminals 8

CYCOM SYSTEMS LIMITED
6486 Viscount Road
Mississauga, Ontario L4V 1H3
Canada
800 387-3896 • 416 672-8660
• System Integrators/OEMs/VARs 16

CYGNET SYSTEMS INC.
2560 Junction
San Jose, CA 95134
408 954-1800
• Optical Subsystems 5

D

D & B SOFTWARE SERVICES
3445 Peachtree Road
Atlanta, GA 30093
404 239-Info
• Financial Accounting 17

DAISY DATA INC.
333 S. Enola Drive
Enola, PA 17025-2897
717 732-8800
• Graphics Terminals 8

DATA ACCESS CORP.
14000 S.W. 119th Avenue
Miami, FL 33186
305 238-0012
• DBMS 19

DATA CENTER SOFTWARE INC.
70 Herrick Street
Beverly, MA 01915
508 922-5500
• System Software 18
• Communications 17

DATA CLEAN CORPORATION
2531 W. Woodland Drive
Anaheim, CA 92801
800 553-3755 • 714 229-8800
• Disaster Recovery 15

DATA PROCESSING DESIGN INC.
1400 N. Brasher St.
Anaheim, CA 92807
800 843-1317
• Office Automation 17

DATA SYSTEMS HARDWARE
22560 Glenn Drive
#112
Sterling, VA 22170
800 937-3744 • 703 450-5726
• Band Printers 9
• Ion Deposition Printers 9
• Laser Printers 9

DATABILITY SOFTWARE SYSTEMS INC.
322 Eighth Avenue
New York, NY 10001
800 342-5377 • 212 807-7800
• Terminal Servers 4

DATACOM TECHNOLOGIES INC.
11001 31st Place W.
Everett, WA 98204
206 355-0590
• Modems 3
• Switching Devices 4
• Monitoring and Test Devices 14

DATACOVER INC.
675 South Saginaw Street
Suite 200
Pontiac, MI 48241
800 445-8296 • 313 332-7997
• Supplies 16

DATACUBE INC.
4 Dearborn Road
Peabody, MA 01960
508 535-6644
• Image Processors 2

DATALEASE
1061 S Melrose Avenue
Placentia, CA 92670
714 632-6986
• Leasing/Rental 16
• System Integrators/OEMs/VARs 16
• Distributors/Resellers 16

DATALEX INC.
100 Pine Street
Suite 2400
San Francisco, CA 94111
800 962-8888 • 415 362-4466
• Terminal Emulation 17

DATAMEDIA CORPORATION
20 Trafalgar Square
Nashua, NH 03063
800 DMC-INFO • 603 886-1570
• Workstations 8

DATAPRODUCTS CORPORATION
6200 Canoga Avenue
Woodland Hills, CA 91367-2499
818 887-8000
• Band Printers 9
• Dot Matrix Printers 9
• Laser Printers 9
• Miscellaneous Printers 9

DATARAM CORPORATION DIGITAL PRODUCTS
P.O. Box 7528
Princeton, NJ 08543-7528
609 799-0071
• Specialized Systems 1
• Solid State Storage 5
• Memory Boards 7

DATASHIELD A DIVISION OF SOLIDSTATE CONTROLS
269 Mount Hermon Road
Scotts Valley, CA 95066
408 439-6600
• UPS Systems 11

DATASOUTH COMPUTER CORPORATION
4216 Stuart Andrew B
Charlotte, NC 28224
704 523-8500 • 800 222-4528
• Dot Matrix Printers 9

DATAWARE SYSTEMS LEASE
30 Bay Street
Staten Island, NY 10301
800 221-6318 • 718 447-4911
• Distributors/Resellers 16

DAVID SYSTEMS INC.
701 East Evelyn Avenue
Sunnyvale, CA 94086
408 720-8000
• Ethernet Devices 4

DBSI INFORMATION SYSTEMS INC.
25971 Pala
Suite 200
Mission Viejo, CA 92691
714 837-3744
• Financial Accounting 17

DCB INC.
807 Pioneer Street
Champaign, IL 61820
800 637-1127
• Modems 3
• Multiplexers 3

DEFT INC.
557 Dixon Road
Suite 111
Rexdale, Ontario M9W 1H7
Canada
416 249-2246
• CASE 20

DELTEC CORPORATION
2727 Kurtz Street
San Diego, CA 92110
619 291-4211
• Power Conditioners 11
• UPS Systems 11

DELTRON INC.
P.O. Box 1369
Wissahickon Avenue
North Wales, PA 19454
215 699-9261
• Power Distribution Controllers 11
• UPS Systems 11

DEMAX SOFTWARE
999 Baker Way
Suite 500
San Mateo, CA 94404
800 283-3629
• System Software 18

DEREX INC.
7716 Wiles Road
Coral Springs, Fl 33067
305 753-0840
• Image Processors 2
• Band Printers 9
• Dot Matrix Printers 9
• Ion Deposition Printers 9
• Laser Printers 9

DIGITAL COMPUTER RESALE
600 Kenrick Suite C-22
Houston, TX 77060
713 445-0082
• Distributors/Resellers 16

DIGITAL CONSULTANTS
2363 Teller Road
Suite 114
Newbury Park, CA 91320
805 498-4577
• Switching Devices 4

DIGITAL DATA SYSTEMS INC.
1551 N.W. 65th Avenue
Fort Lauderdale, FL 33313
305 792-3290 • 800 Smart-11
• Memory Boards 7
• Special Function Boards 13

DIGITAL DEALERS ASSOCIATION (DDA)
107 S Main Street
Suite 202
Chelsea, MI 48118
313 475-8333
• Miscellaneous Services 16

DIGITAL ELECTRONICS CORPORATION
31047 Genstar Road
Hayward, CA 94544-7831
415 471-4700
• Graphics Terminals 8

DIGITAL INFORMATION SYSTEMS CORPORATION
11070 White Rock Road
Rancho Cordova, CA 95670
800 DBL-DISC • 916 635-7300
• Financial Accounting 17

DIGITAL INSTRUMENTS CORPORATION
P.O. Box 9901
Newark, DE 19714-9901
800 222-IMAX • 215 255-4149
• Image Processors 2
• Solid State Storage 5
• Memory Boards 7
• Graphics Controllers 13

DIGITAL LINK CORPORATION
252 Humboldt Ct.
Sunnyvale, CA 94089
408 745-6200
• Networking Interfaces 4
• System Software 18

DIGITAL MANAGEMENT GROUP
54 Guelph Road
Elora, Ontario NOB150
Canada
519 846-8888
• Communications 17

DIGITAL PATHWAYS INC.
201 Ravendale Drive
Mountain View, CA 94043
415 964-0707
• Security Systems 14

DIGITAL SOLUTIONS INC.
3083 Gold Canal Drive S
Suite 500
Rancho Cordova, CA 95670
916 638-5606
• Distributors/Resellers 16
• Leasing/Rental 16

DIGITAL TECHNOLOGY INC.
2300 Edwin C Moses
Dayton, OH 45408
513 443-0412
• Special Function Boards 13

DILOG
1555 South Sinclair
Anaheim, CA 92606
714 937-5700
• Disk Subsystems 5
• Optical Subsystems 5
• Tape Subsystems 6

DIMENSION SOFTWARE SYSTEMS INC.
1717 Walnut Hill Lane
Suite 104
Las Colinas, TX 75038
214 580-1045
• 4GL 20

DIRECT SERVICE AND REPAIR
460 Aldo Avenue
Santa Clara, CA 95054
408 980-1414
• Display Terminals 8

DISK INTERCHANGE SERVICE COMPANY
2 Park Drive
Westford, MA 01886
508 692-0050
• Miscellaneous Services 16

DISTRIBUTION ARCHITECTS INT'L INC.
6101 S. Rural Road
Tempe, AZ 85283
602 897-9576
• Financial Accounting 17

DIVERSIFIED COMPUTER SYSTEMS INC.
3775 Iris Avenue
Suite 1B
Boulder, CO 80301
303 447 9251
• Terminal Emulation 17

DSD CORP.
18912 N. Creek Parkway
Bothell, WA 98011
206 485-7564
• Spreadsheets 17
• Project Management 17

DSP TECHNOLOGY INC.
48500 Kato Road
Fremont, CA 94538-7338
415 657-7555
• Special Function Boards 13

DTSS INC.
Buck Road
P.O. Box 70
Hanover, NH 03755-0070
603 643-6000
• Terminal Emulation 17

DUPONT ELECTRONICS ELECTRO-OPTIC PRODUCTS GROUP
P.O. Box 13625
Triangle Park, NC 27709
919 481-5100 • 800 888-LAN1
• Ethernet Devices 4
• Monitoring and Test Devices 14

DYNA FIVE CORPORATION
173 Freedom Avenue
Anaheim, CA 92801
714 525-8795
• Communication Controllers 3
• System and Peripheral Enclosures 12
• Printer Controllers 13

DYNAMIC SYSTEMS INC.
8223 44th Avenue W
Mukilteo, WA 98275
205 745-5311
• Distributors/Resellers 16

DYNATEK AUTOMATION SYSTEMS INC.
15 Tangiers Road
Toronto, Ontario M3J 2B1
Canada
416 636-3000
• Optical Subsystems 5
• Tape Subsystems 6
• Disk Subsystems 5
• Memory Boards 7
• Tape Drives 6

DYNSERVICE NETWORK
2323 Industrial Pkwy West
Hayward, CA 94545
415 732-3080
• Maintenance 15

E

EASTMAN KODAK COPY PRODUCTS DIVISION
343 State Street
Rochester, NY 14650
800 255-3434 • 716 724-1336
• Ink Jet Printers 9
• Miscellaneous Printers 9

EASTMARK INC.
240 Smith Street
Lowell, MA 01851
508 453-9150
• Graphics Terminals 8
• Bar Code Readers 14

ECAP SYSTEMS INC.
83 Ste. Euphemie Street
Casselman, Ontario K0A 1M0
Canada
613 764-3889
• Office Automation 17
• System Software 18

EFFICIENT FIELD SERVICE CORPORATION
11 School Street
Chelmsford, MA 01824
508 251-7800
• Maintenance 15

EIGEN CORPORATION
82 Wall Street
Suite 1105
New York, NY 10005
800 87-EIGEN
• System Software 18

EL CAMINO RESOURCES LTD.
16671 Milliken Avenue
Irvine, CA 92714
800 367-3646 • 714 250-8991
• Distributors/Resellers 16
• Leasing/Rental 16

ELECTROHOME LTD.
809 Wellington Street
Kitchener, Ontario N2G4J6
Canada
519 744-7111
• Display Terminals 8
• Graphics Terminals 8

ELGAR CORPORATION
9250 Brown Deer Road
San Diego, CA 92121
800 73-ELGAR • 619 450-0085
• UPS Systems 11

ELTEC INC.
3001 Redhill Avenue
Costa Mesa, CA 92626
714 241-1331
• Power Distribution Controllers 11
• UPS Systems 11
• Distributors/Resellers 16

EMERSON COMPUTER POWER
3300 S. Standard Street
Santa Ana, CA 92702
714 545-5581 • 714 641-5248
• UPS Systems 11

EMPRESS SOFTWARE INC.
6401 Golden Triangle Drive
Greenbelt, MD 20770
301 220-1919
• 4GL 20

EMULEX CORPORATION
3545 Harbor Blvd.
Costa Mesa, CA 92626
714 662-5600 • 800 EMU-LEX3
• Multiplexers 3
• Terminal Servers 4
• Disk Controllers 5
• Disk Subsystems 5
• Tape Couplers 6
• Tape Subsystems 6
• Host Adapters 13

ENGINEERING SYSTEMS
3636 S. Sherwood Forest Blvd.
Suite 400
Baton Rouge, LA 70816
504 769-2226 • 800 ESC-CADD
• CAD/CAM 17

EPOCH SYSTEMS INC.
8 Technology Drive
Westborough, MA 01581-1796
800 U.S. Epoch
• Disk Subsystems 5

EQUINOX SYSTEMS
14260 SW 119th Avenue
Miami, FL 33186
800 328-2729 • 305 255-3500
• Multiplexers 3
• Terminal Servers 4

ERGONOMIC SOLUTIONS SOFTWARE PRODUCTS DIVISION
PO Box 7052
Plainville, CT 60062
203 793-0445
• Office Automation 17

ESCA CORPORATION
11120 N. E. 33rd Pl.
Bellevue, WA 98004
206 822-6800 • 800 231-4913
• DBMS 19

ESPRIT SYSTEMS INC.
2115 Ringwood Avenue
San Jose, CA 95131
408 954-9900
• Display Terminals 8

ESSENTIAL RESOURCES INC. ERI TRAINING
462 Broadway
New York, NY 10013
212 334-1240
• Training/Consulting 16

EVANS & SUTHERLAND
540 Arapeen Drive
P.O. Box 8050
Salt Lake City, UT 84108
801 582-5847
• Workstations 8

EVEREST ELECTRONIC EQUIPMENT
4405 International Blvd. #B119
Norcross, GA 30093-3013
404 279-2261
• Power Conditioners 11
• Power Distribution Controllers 11
• System and Peripheral Enclosures 12

EXABYTE CORPORATION
1745 38th Street
Boulder, CO 80301
303 442-4333
• Tape Subsystems 6

EXCEPTIONAL BUSINESS SOLUTIONS
10811 Washington Blvd. #240
Culver City, CA 90232
213 558-3435
• Office Automation 17

EXECUCOM SYSTEMS CORP.
108 Wild Basin Road
Two Wild Basin
Austin, TX 78746
512 327-7070 • 512 346-4980
• Graphics 17
• Financial Accounting 17

EXECUTIVE SOFTWARE
701 North Brand
Sixth floor
Glendale, CA 91203-1242
800 829-4357
• System Software 18

EXSYS STORAGE SYSTEMS
1340 Tully Road
#301
San Jose, CA 95122
408 292-0343
• Disk Drives 5
• Disk Subsystems 5

F

FACIT INC.
400 Commercial Street
P.O. Box 9540
Manchester, NH 03108-9540
603 647-2700
- Dot Matrix Printers 9
- Laser Printers 9

FAIRCHILD DATA CORPORATION
350 N Hayden Road
Scottsdale, AZ 85257
602 949-1155
- Modems 3

FALCO DATA PRODUCTS INC.
440 Potrero Avenue
Sunnyvale, CA 94086
800 835-2648 • 800 538-5383 (in CA)
- Display Terminals 8
- Graphics Terminals 8

FARGO ELECTRONICS INC.
7690 Golden Triangle Drive
Eden Praire, MN 55344
612 941-9470
- Thermal Transfer Printers 9

FASTCOMM DATA CORPORATION
12347-E Sunrise Valley Drive
Reston, VA 22091
703 620-3900
- Modems 3

FEL COMPUTING
10 Main Street
P.O. Box 72
Williamsville, VT 05362
802 348-7171
- Terminal Emulation 17

FIBERMUX CORPORATION
9310 Topanga Canyon Blvd.
Chatsworth, CA 91311
818 709-6000
- Multiplexers 3
- Ethernet Devices 4

FLIPTRACK LEARNING SYSTEMS
999 North Main Street
Glen Ellyn, IL 60137
312 790-1117 • 800 222-3547
- Training/Consulting 16

FUJITSU AMERICA INC.
Computer Products Group
3055 Orchard Drive
San Jose, CA 95134
408 432-1300
- Disk Drives 5

FULCRUM TECHNOLOGIES INC.
560 Rochester Street
Ottawa, Ontario K15 5K2
Canada
613 238-1761
- DBMS 19

G

GANDALF DATA INC.
1020 South Noel Avenue
Wheeling, IL 60090
800 722-9638 • 312 541-6060
- Modems 3
- Multiplexers 3
- Monitoring and Test Devices 14

GE COMPUTER SERVICE
6875 Jimmy Carter Blvd.
Norcross, GA 30071
404 246-6200
- Maintenance 15
- Supplies 16
- Leasing/Rental 16

GE COMPUTER SUPPLIES
2825 C Pacific Drive
Norcross, GA 30071
404 246-6315 • 404 246-6274
- Supplies 16

GEJAC INC.
8643 Cherry Lane
Laurel, MD 20707
301 725-2500
- System Software 18

GENERAL DATACOMM INDUSTRIES
Rt. 63
Middlebury, CT 06762-1299
203 574-1118
- Modems 3

GENERAL POWER CORPORATION
1045 S East Street
Anaheim, CA 92815-8508
714 956-9321
- UPS Systems 11

GENICOM CORPORATION
1 Genicom Drive
Waynesboro, VA 22980
800 443-6426 • 703 949-1170
- Band Printers 9
- Dot Matrix Printers 9
- Laser Printers 9

GENTRY ASSOCIATES INC.
2447 Orlando Centeral Pkwy.
Orlando, FL 32809-5698
407 859-7450
- Bar Code Readers 14

GESCAN INTERNATIONAL INC.
P.O. Box 12599
Research Triangle, NC 27709
800 982-2177 • 919 460-3100
- Specialized Systems 1

GOLD KEY ELECTRONICS INC.
18 Lamy Drive
Goffstown, NH 03045
603 625-8518 • 603 625-4881
- Printer Controllers 13
- Switching Devices 4

GOTEC U.K. LTD.
River Lodge
Mersey Road
Didsbury, Manchester M20 8YP
United Kingdom
061 446-2171
- UPS Systems 11

GRAPHON CORPORATION
1980 Concourse Drive
San Jose, CA 95131
408 435-8400 • 800 GRA-PHON
- Graphics Terminals 8
- X-Windows Terminals 8

GRAYMATTER SOFTWARE & CONSULTING INC.
1300 Dexter Avenue N.
Suite 550
Seattle, WA 98109
206 281-8800
- Office Automation 17

GRUMMAN DATA SYSTEMS
90 Crossways Park West
Woodbury, NY 11797
800 922-1225 • 516 682-5761
- Maintenance 15
- System Integrators/OEMs/VARs 16

H

HACOPIAN & ASSOCIATES
200 W 7th Street
Texas Building
Fort Worth, TX 76102
817 877-3040
- Distributors/Resellers 16

HANCOCK SOFTWARE
115 Watertown Street
Watertown, MA 02172
617 924-0017 • 800 VAX-MGMT
- System Software 18

HDR POWER SYSTEMS INC.
4242 Reynolds Drive
Hilliard, OH 43026 9908
614 771-5500 • 614 275-3113
- UPS Systems 11

HENCO SOFTWARE INC.
100 Fifth Avenue
Waltham, MA 02154
617 890-8670
- DBMS 19

HERITAGE COMMUNICATION SYSTEMS
One West Deer Valley
Suite 104
Phoenix, AZ 85027
602 780-1497
- Special Function Boards 13

HITACHI AMERICA LTD.
950 Benicia Avenue
Sunnyvale, CA 94086
408 773-8833
- Ink Jet Printers 9

HITRON CORPORATION
362 Highway 31
Flemington, NJ 08822-9301
201 782-5525
- UPS Systems 11

HONEYWELL TEST INSTRUMENT DIVISION
Box 5227 MS:211
Denver, CO 80217-5227
303 773-4491
- Tape Subsystems 6

HOUSTON INSTRUMENT
8500 Cameron Road
Austin, TX 78753
512 835-1916 • 800 444-3425
- Pen Plotters 9

HOUTZEEL MANUFACTURING SYSTEMS INC.
P.O. Box 1268
Waltham, MS 02254
617 890-2811
- CAD/CAM 17

HRL ASSOCIATES INC.
2102-B Gallows Road
Vienna, VA 22180
703 448-1442
- Miscellaneous Products 14

HUMAN DESIGNED SYSTEMS
3440 Market Street
Philadelphia, PA 19104
800 437-1551 • 215 382-5000
- Display Terminals 8
- Graphics Terminals 8
- X-Windows Terminals 8

HYBRICON
12 Willow Road
Ayer, MA 01432
508 772-5422
- System and Peripheral Enclosures 12
- Special Function Boards 13

HYPERSOFT CORPORATION
675 Massachusetts Avenue
Cambridge, MA 02139
617 864-8860
- CASE 20

I

I-LOGIX INC.
22 Third Avenue
Burlington, MA 01803
617 272-8090
- CASE 20

IBA INC.
9245 Sky Park Court
San Diego, CA 92123
619 560-8584
- Financial Accounting 17

ICEX INC.
740C South Pierce Avenue
Louisville, CO 80027
303 666-5400
- Distributors/Resellers 16

ICS INC. ELECTRO PAC DIVISION
520 Interstate Road
Addison, IL 60101
708 543-6200
- UPS Systems 11

IDEAL TECHNOLOGIES
13101 Washington Blvd.
Suite 247
Los Angeles, CA 90066
213 827-9023 • 800 726-9023
- System Integrators/OEMs/VARs 16
- Dot Matrix Printers 9
- Distributors/Resellers 16

IKON CORPORATION
2617 Western Avenue
Seattle, WA 98121
206 728-6465
- Host Adapters 13

ILLINOIS COMPUTER CABLE
1404 Sherman Road
Lemont, IL 60439
708 810-0200
- Wiring Systems and Cables 14

IMAGE SYSTEMS INC.
2515 McCabe Way
Irvine, CA 92714
714 757-4489 • 714 757-4418
- Ion Deposition Printers 9

IMAGE-X
5879 Hollister Avenue
Santa Barbara, CA 93117
805 964-3535
- Specialized Systems 1

IMPERIAL TECHNOLOGY INC.
831 South Douglas Street
El Segundo, CA 90245
213 536-0018
• Solid State Storage 5

IMSL INC.
2500 ParkWest Tower One
2500 CityWest Blvd.
Houston, TX 77042-3020
713 782-6060
• Graphics 17

INCOTEL INC.
5 Penn Plaza
New York, NY 10001
212 594-8340
• Communication Processors 3

INDEX TECHNOLOGY
One Main Street
Cambridge, MA 02142
617 494-8200
• CASE 20

INFORMATION ANALYSIS SYSTEMS CORP.
2 Brookside
Mansfield Center, CT 06250
203 429-1691
• Terminal Emulation 17

INFORMATION BUILDERS INC.
1250 Broadway
New York, NY 10001
212 736-4433
• Spreadsheets 17
• DBMS 19
• Project Management 17
• CASE 20

INFORMATION DIMENSIONS INC.
655 Metro Place S.
Dublin, OH 43017
800 328-2648 • 614 761-7300
• DBMS 19

INFORMATION STORAGE INC. (ISI)
2768 Janitell Road
Colorado Springs, CO 80906
719 579-0460
• Optical Drives 5

INGRES
1080 Marina Village Pkwy.
PO Box 4006
Alameda, CA 94501
800 446-4737 • 415 769-1400
• DBMS 19

INMAGIC INC.
2067 Massachusetts Avenue
Cambridge, MA 02140-1338
617 661-8124
• DBMS 19

INNOSOFT INTERNATIONAL INC.
250 W. 1st Street
Suite 240
Claremont, CA 91711
714 624-7907
• Graphics 17
• Communications 17

INNOVATIVE COMPUTER TECHNOLOGIES
3476 Mainway
Unit 32
Burlington, Ontario L7M 1A8
Canada
416 829-2020 • 416 336-1333
• Statistical Packages 17

INSYNC SOFTWARE
4175 Veterans Highway
Ronkonkoma, NY 11779
516 981-3000
• 4GL 20

INTEGRATED TECHNOLOGIES
9050 Red Branch Road
Columbia, MD 21045
301 596-5700
• Disk Subsystems 5
• Optical Subsystems 5
• Tape Subsystems 6

INTELLIGENT CONTROLS INC.
6825 216th Street
Lynwood, WA 98036
800 842-0221 • 206 771-8107
• System Integrators/OEMs/VARs 16
• Security Systems 14
• Bar Code Readers 14

INTERACTIVE DEVELOPMENT ENVIRONMENT
595 Market Street
12th floor
San Francisco, CA 94105
415 543-0900 • 800 888-IDE1
• CASE 20

INTERACTIVE SOFTWARE SYSTEMS INC.
7175 West Jefferson Avenue
Suite 2500
Denver, CO 80235
303 987-1001
• 4GL 20
• DBMS 19

INTERACTIVE TECHNOLOGY INC.
460 Park Plaza W.
10700 S.W. Beaverton-Hillside Hwy.
Beaverton, OH 97005
800 362-6203 • 800 255-6387
• DBMS 19

INTERBASE SOFTWARE CORP.
209 Burlington Road
Bedford, MA 01730
617 275-3222
• 4GL 20

INTERCONNECTIONS INC.
14711 NE 29th Place
Suite 100
Bellevue, WA 98007
206 881-5773
• Communications 17

INTERGRAPH CORPORATION
One Madison Industrial
M/S LR23B4
Huntsville, AL 35807
205 730-8697
• Workstations 8

INTERLOGIC INDUSTRIES
85 Marcus Drive
Melville, NY 11747
516 420-8111
• System and Peripheral Enclosures 12

INTERMATION CORP.
234 E. Colorado Blvd.
Pasadena, CA 91101
818 796-9371
• Office Automation 17

INTERNATIONAL POWER MACHINES CORPORATION
2975 Miller Park N.
Garland, TX 75042
214 272-8000 • 800 527-1208
• Power Distribution Controllers 11
• UPS Systems 11
• Smart Ambient Monitors 14

INTERSCIENCE COMPUTER CORP.
5171 Clareton Drive
Agoura Hills, CA 91301
818 707-2000
• Band Printers 9
• Dot Matrix Printers 9
• Laser Printers 9

INTERSTATE ELECTRONICS CORPORATION
1001 East Ball Road
P.O. Box 3117
Anaheim, CA 92803
714 758-0500
• Array Processors 2

INTOUCH SOFTWARE
32 Ross Common
P.O. Box 806
Ross, CA 94957
415 461-3600
• Office Automation 17

INTRA COMPUTER INC.
87-46 VanWyck Expwy.
Jamaica, NY 11418
718 297-5500
• Smart Ambient Monitors 14

IOLINE CORPORATION
12020 113th Avenue N.E.
#250
Kirkland, WA 98034
206 821-2140
• Pen Plotters 9

ISA CONSULTANTS
5550 Touhy Avenue
Suite 204
Skokie, IL 60077
312 677-3530
• Monitoring and Test Devices 14

ISA SOLUTIONS DIV. OF IRV SHAPIRO & ASSOCIATES, LTD.
5550 West Touhy Avenue
Suite 204
Skokie, IL 60077
800 462-6301
• Monitoring and Test Devices 14
• System Software 18

ISICAD INC.
1920 W. Corporate Way
P.O. Box 61022
Anaheim, CA 92803-6122
714 533-8910
• CAD/CAM 17

ISOREG CORPORATION
410 Great Road
Littleton, MA 01460
508 486-9483
• Power Conditioners 11
• Power Distribution Controllers 11
• UPS Systems 11

ITHACA PERIPHERALS INC.
147 Main Street
Groton, NY 13073
607 898-9970
• Dot Matrix Printers 9

ITI EZSECURITY INC.
3 Applewood Lane
Portola Valley, CA 94028
415 851-2368
• System Software 18

ITT POWERSYSTEMS CORPORATION
3400 E. Britannia Drive
Suite 122
Tucson, AZ 85706
602 889-7600 • 602 741-0142
• UPS Systems 11
• Power Conditioners 11

J

JENSEN TOOLS INC.
7815 S 46th Street
Phoenix, AZ 85044
602 968-6241 • 602 968-6231
• Supplies 16

JOHN FLUKE MANUFACTURING COMPANY INC.
P.O. Box 9090
Everett, WA 98206
206 247-6100
• Miscellaneous Products 14
• Monitoring and Test Devices 14

JOINER ASSOCIATES INC.
3800 Regent Street
Madison, WI 53705-0445
608 238-8637
• Office Automation 17
• Communications 17

JORDAN ELECTRONICS
1970 S. Santa Cruz
Anaheim, CA 92805
714 939-9188
• Monitoring and Test Devices 14
• System Integrators/OEMs/VARs 16
• Training/Consulting 16

JUPITER SYSTEMS
1100 Marina Village
Alameda, CA 94501
415 523-9000
• X-Windows Terminals 8
• Graphics Terminals 8

JYACC INC.
116 John Street
New York, NY 10038
212 267-7722 • 800 458-3313
• 4GL 20
• Toolkits 20

K

KEA SYSTEMS LTD.
3738 North Fraser Way
Unit 101
Burnaby, BC V5J 5G1
Canada
604 431-0727
• Terminal Emulation 17

KENNEDY COMPANY A DIVISION OF SHUGART CORPORATION
9292 Jeronimo Road
Irvine, CA 92718
714 770-1100
• Tape Drives 6

KENTEK INFORMATION SYSTEMS
6 Pearl Court
Allendale, NJ 07401
201 825-8500
• Laser Printers 9

KI RESEARCH INC.
1070 6th Avenue
Suite 303
Belmont, CA 94002
800 544-8352 • 415 591-4730
• Communications 17

KIMTRON CORPORATION
1709 Junction Court
Bldg. 380
San Jose, CA 95112-1090
800 828-8899 • 408 436-6550
• Bar Code Readers 14
• Display Terminals 8

KINETICSYSTEMS CORPORATION
11 Maryknoll Drive
Lockport, IL 60441
815 838-0005
• Specialized Systems 1

KINGSTON TECHNOLOGY CORP.
3023 S. Harbor Blvd.
Santa Ana, CA 92704
714 545-6887
• Disk Subsystems 5
• System and Peripheral Enclosures 12
• Memory Boards 7

KOM INC.
145 Spruce Street
Ottawa, Ontario KIR 6P1
Canada
613 238-7766
• Disk Controllers 5

KSI-DIVISION OF ODETICS
11501 Rojas Drive
Suite-P
El Paso, TX 79936
915 598-9769
• Special Function Boards 13

L

LAGO SYSTEMS
160-E Albright Way
Los Gatos, CA 95030
408 374-1818
• Disk Controllers 5
• Tape Subsystems 6
• Disk Subsystems 5
• Optical Drives 5
• Disk Drives 5

LAN SYSTEMS INC.
784 Ulloa Street
San Francisco, CA 94127
415 566-4798
• Modems 3
• Multiplexers 3

LANEX CORPORATION
10727 Tucker Street
Beltsville, MD 20705
301 595-4700
• Ethernet Devices 4

LANNET DATA COMMUNICATIONS LTD.
151 W. Passaic Street
Rochelle Park, NJ 07662
201 587-8822
• Ethernet Devices 4

LANTEK
2131 University Avenue
#412
Berkeley, CA 94704
415 549-0928
• Communication Processors 3

LANTRONIX
26072 Merit Circle
Suite 113
Laguna Hills, CA 92653
714 367-0050
• Terminal Servers 4

LASER SCIENCE IMAGING CORPORATION
1061 S Melrose Avenue
Placentia, CA 92670
714 632-6941
• Miscellaneous Products 14

LASERGRAPHICS INC.
17671 Cowan Avenue
Irvine, CA 92714
714 660 9497
• Thermal Transfer Printers 9

LEEMAH DATACOM SECURITY CORPORATION
3948 Trust Way
Hayward, CA 94545
415 786-0790 • 800 992-0020
• Security Systems 14

LIBERTY ELECTRONICS
332 Harbor Way
South San Francisco, CA 94080
415 952-9588
• Display Terminals 8

LIEBERT CORP.
1050 Dearborn Drive
P.O. Box 29186
Columbus, OH 43229
800 950-0099
• UPS Systems 11

LINK TECHNOLOGIES INC.
47339 Warm Springs Blvd.
Fremont, CA 94539
415 651-8000 • 800 448-5465
• Display Terminals 8

LION CABINETS
249 Goffle Road
Hawthorne, NJ 07506
201 427-3500
• System and Peripheral Enclosures 12

LOGICRAFT INC.
22 Cotton Road
Nashua, NH 03063
603 880-0300
• Specialized Systems 1

LORTEC POWER SYSTEMS INC.
145 Keep Court
Elyria, OH 44035
216 327-5050 • 800-222-2600
• UPS Systems 11

LXE
303 Research Drive
Norcross, GA 30092
404 447-4224
• Specialized Systems 1
• Display Terminals 8

M

M. BRYCE & ASSOCIATES INC.
777 Alderman Road
Palm Harbor, FL 34683
813 786-4567
• Project Management 17

MACDONALD DETTWILER ELECTRO OPTICAL PRODUCTS DIVISION
13231 Delf Place
Richmond, BC V6V2C3
Canada
604 273-7730
• Laser Printers 9
• Miscellaneous Printers 9

MAINTECH
1133 Avenue of the Americas
New York, NY 10038
800 426-TECH • 212 827-2603
• Maintenance 15
• Disaster Recovery 15

MANUFACTURING AND CONSULTING SERVICES INC.
6 Hughes
Irvine, CA 92718
714 951-8858
• CAD/CAM 17

MARC SOFTWARE INTERNATIONAL INC.
260 Sheridan Avenue
Palo Alto, CA 94306
415 326-1971
• Office Automation 17

MARWAY PRODUCTS INC.
311 N. Clara Street
Santa Ana, CA 92703
714 973-1800
• Power Distribution Controllers 11

MATRA DATAVISION
2 Highwood Drive
Tewksbury, MA 01876
508 640-0940 • 800 444-1590
• CAD/CAM 17

MAXTOR CORPORATION
211 River Oaks Parkway
San Jose, CA 95134
408 432-1700
• Disk Drives 5
• Optical Drives 5

MCBA INC.
425 W. Broadway
Glendale, CA 91204-1269
818 242-9600
• Financial Accounting 17

MCCOMB RESEARCH
P.O. Box 3984
Minneapolis, MN 55403
612 527-8082
• Networking Interfaces 4

MCDATA CORPORATION
310 Interlocken Parkway
Broomfield, CO 80021-3464
303 460-4205
• Networking Interfaces 4

MCDONNELL DOUGLAS BUILT ENVIRONMENT TECHNOLOGIES
11330 Olive Street
Suite 220
St. Louis, MO 63141
314 233-3639 • 800 325-1551
• CASE 20

MCDONNELL DOUGLAS SYSTEMS INTEGRATION CO
325 McDonnell Blvd.
P.O. Box 516
St. Louis, MO 63166
314 232-5924 • 800 325 1551
• CAD/CAM 17

MCG ELECTRONICS INC.
12 Burt Drive
Deer Park, NY 11729
516 586-5125
• Power Conditioners 11

MCS COMPUTER PRODUCTS INC.
2975 Furness Street
St. Paul, MN 55109
612 779-0536
• Multiplexers 3
• Optical Subsystems 5
• Memory Boards 7
• Miscellaneous Products 14

MDB SYSTEMS INC.
1110 W Taft Avenue
Box 5508
Orange, CA 92613-5508
714 998-6900 • 800 556-0222
• Communication Controllers 3
• Disk Subsystems 5

MEADOWLARK ENTERPRISES INC.
37 High Street
Danvers, MA 01923
508 777-4666
• Distributors/Resellers 16
• Leasing/Rental 16

MEGATAPE CORPORATION
1041 Hamilton Road
Duarte, CA 91010
818-357-9921
• Tape Drives 6
• Tape Subsystems 6

MEMORY SCIENCES CORPORATION
9028 Prince William
Manassas, VA 22110
703 361-9745
• Disk Controllers 5

MERCURY COMPUTER SYSTEMS
600 Suffolk Street
Lowell, MA 01854
508 458-3100
• Array Processors 2

MESA TECHNOLOGY CORPORATION
9720 Patuxent Woods Drive
Columbia, MD 21046
301 290-8150
• Maintenance 15
• Distributors/Resellers 16

METHEUS CORPORATION
1600 NW Compton Drive
OGC Science Park
Beaverton, OR 97006-6905
503 690-1550
• Graphics Controllers 13

METHOD SYSTEMS INC.
3511 Lost Nation Road
Suite 202
Willoughby, OH 44094
800 533-6116 • 216 942-1674
• Communication Protocol Interfaces 3
• Multiplexers 3
• Ethernet Devices 4

METIER MANAGEMENT SYSTEMS INC.
2900 N. Loop W.
Suite 1300
Houston, TX 77092
713 956-7511 • 800 777-7100
• Project Management 17

MEYER SOFTWARE
616 Continental Road
Hatboro, PA 19040
215 675-3890
• Disaster Recovery 15

MGA INC.
73 Junction Square Drive
Concord, MA 01720
508 369-5115
• Graphics 17

MGS SOFTWARE
P.O. Box 742945
Dallas, TX 75374
214 558-2412
• Office Automation 17

MICOM COMMUNICATIONS CORPORATION
4100 Los Angeles Avenue
P.O. Box 8100
Simi Valley, CA 93062-8100
805 583-8600
• Communication Protocol Interfaces 3
• Multiplexers 3
• Switching Devices 4
• X.25 Pad Processors 4
• Terminal Servers 4
• Communications Servers 3

MICRO TECHNOLOGY INC.
5065 E Hunter Avenue
Anahiem, CA 92807
714 693-2345 • 800 FON-4MTI
• Ethernet Devices 4
• Disk Controllers 5
• Disk Subsystems 5
• Tape Subsystems 6

MICROCOM INC.
500 River Ridge Drive
Norwood, MA 02062
617 551-1000
• Specialized Systems 1
• Modems 3
• Ethernet Devices 4

MICROSYSTEMS ENGINEERING CORP.
2400 W. Hassell Road
Suite 400
Hoffman Estates, IL 60195
800 882-0451 • 312 882-0111
• Office Automation 17

MICROTERM
3630 South Geyer
#3
St. Louis, MO 63127
314 822-4111
• Display Terminals 8
• Graphics Terminals 8

MICROTRONIX DATACOM LTD.
125 Bessemer Road
London, Ontario N6E 1P9
Canada
519 681-3430
• Communication Processors 3
• X.25 Pad Processors 4

MIDWEST SYSTEMS INC.
2800 Southcross Drive
Burnsville, MN 55337-9953
800 328-7000 • 612 894-4020
• Distributors/Resellers 16

MILTOPE CORPORATION MILTOPE BUSSINESS PRODUCTS
1770 Walt Whitman Road
Melville, NY 11747
516 420-0200 • 516 756-7650
• Disk Drives 5
• Tape Controllers 6
• Tape Drives 6
• Graphics Terminals 8
• Ion Deposition Printers 9

MINOLTA CORPORATION
101 Williams Drive
Ramsey, NJ 07446
201 825-4000
• Specialized Systems 1

MIPS COMPUTER SYSTEMS INC.
950 De Guigne Drive
Sunnyvale, CA 94086
408 720-1700
• CPU Systems 1
• Workstations 8

MISCO
One Misco Plaza
Holmdel, NJ 07733
800 876-4726 • 201 264-1000 (NJ)
• Supplies 16

MITEK OPENCONNECT SYSTEMS
2033 Chennault Drive
Carrollton, TX 75006
214 490-4090
• Special Function Boards 13
• Communications Servers 3

MITEK SYSTEMS INC.
6225 Nancy Ridge Drive
San Diego, CA 92121
619 587-9157 • 800 367-5660
• Laser Printers 9

MOD-TAP SYSTEM
285 Ayer Road
P.O. Box 706
Harvard, MA 01451
508 772-5630
• System Integrators/OEMs/VARs 16
• Wiring Systems and Cables 14

MODGRAPH INC.
149 Middlesex Tnpk.
Burlington, MA 01803
617 229-4800
• Graphics Terminals 8

MORSS SOFTWARE DEVELOPMENT
P.O. Box 1024
Bellevue, WA 98009
206 455-1838
• Office Automation 17

MOTOROLA INFORMATION SYSTEMS
9445 Airport Road
Brampton, Ontario L6S 4J3
Canada
416 793-5700
• Multiplexers 3

MULTI SOFT INC.
123 Franklin Corner Road
Suite 207
Lawrenceville, NJ 08648
609 896-4100
• Communications 17

MULTI-TECH SYSTEMS INC.
82205 Woodale Drive
Mounds View, MN 55112
800 328-9717 • 612 785-3500
• Modems 3
• Multiplexers 3

MULTIWARE INC.
216 F Street
Suite 161
Davis, CA 95616
800 522-0202 • 916 756-3291
• Graphics 17

MUST SOFTWARE INTERNATIONAL
101 Merritt 7
Norwalk, Ct 06856
203 845-5000 • 800 441-6878
• 4GL 20

N

N.E.T. ACCESS PRODUCTS DIVISION
26 Castilian Drive
Santa Barbara, CA 93117
805 562-3224
• Modems 3
• Multiplexers 3
• X.25 Pad Processors 4

NATIONAL COMPUTER SYSTEMS
400 Northridge Road
Atlanta, GA 30350
404 740-2499
• Disaster Recovery 15

NATIONAL DATA CONVERSION INSTITUTE
5 East 16th Street
New York, NY 10003
212 463-7511
• Miscellaneous Services 16

NATIONAL INFORMATION SYSTEMS INC. (NIS)
1190 Saratoga Avenue
San Jose, CA 95129
408 985-7100 • 800 441-5758
• DBMS 19
• 4GL 20

NATIONAL INSTRUMENTS CORP.
6504 Bridgepoint Parkway
Austin, TX 78730-5039
512 794-0100
• IEEE-488 Controllers 13

NBS SOUTHERN INC.
11451 South Belcher
Largo, FL 34643
800 327-5602 • 813 441-1981
• Ion Deposition Printers 9
• Laser Printers 9

NEMATRON CORPORATION
5840 Interface Drive
Ann Arbor, MI 48103
313 994-0501
• Display Terminals 8

NEMONIX INC.
106 South Street
Hopkinton, MA 01748
800 435-8650 • 508 435-9087
• CPU Upgrades 1
• Memory Boards 7
• CPU Systems 1
• Special Function Boards 13

NETRON INC.
99 St. Regis Crescent North
Toronto, Ontario M3J 1Y9
Canada
416 636-4847
• CASE 20

NETWORK COMPUTING DEVICES
350 N Bernardo Avenue
Mountain View, CA 94043
415 694-0650
• X-Windows Terminals 8

NETWORK GENERAL CORPORATION
4200 Bohannon Drive
Menlo Park, CA 94025
415 688-2700
• Monitoring and Test Devices 14

NETWORK RESEARCH
2380 North Rose Avenue
Oxnard, CA 93030
805 485-2700
• System Software 18

NETWORKING DYNAMICS CORPORATION
1234 N. Edgemont Street
Suite 214
Los Angeles, CA 90029
213 668-0077 • 213 662-8815
• System Software 18
• Office Automation 17

NICHOLS & CO. INC.
5839 Green Valley Circle
Culver City, CA 90230
213 670-6400
• Project Management 17

NISSHO ELECTRONICS CORPORATION
17310 Red Hill Avenue
Irvine, CA 92714
714 261-8811
• CPU Upgrades 1
• Laser Printers 9

NORTHEAST MINICOMPUTER INC.
55 High Street
Unit 6
Billerica, MA 01862
508 663-2550
• Distributors/Resellers 16

NORTHGATE COMPUTER SYSTEMS INC.
13895 Industrial Park Blvd.
Suite 110
Plymouth, MN 55441
612 943-8181
• Workstations 8

NORTHWEST DIGITAL SYSTEMS
10303 Aurora Avenue
P.O. Box 15288
Seattle, WA 98133
206 524-0014
• Graphics Terminals 8
• X-Windows Terminals 8

NOVADYNE
1775 East St. Andrew Place
Santa Ana, CA 92705-6560
800 826-4944
• Maintenance 15

NOVELL INC.
1340 Treat Blvd.
Suite 500
Walnut Creek, CA 94596
415 947-0998 • 415 933-8909
• Toolkits 20
• Communications 17

NUMERIX CORPORATION
20 Ossipee Road
Newton, MA 02164-1444
617 964-2500
• Array Processors 2

NUMONICS CORPORATION
101 Commerce Drive
Montgomeryville, PA 18936
215 362-2766
• Pen Plotters 9

NVIEW CORPORATION
11835 Canon Blvd.
Newport News, VA 23606
804 873-1354
• Office Automation 17

O

O'REILLY & ASSOCIATES INC.
632 Petaluma Avenue
Sebastopol, CA 95472-4217
800 338-6887
• Office Automation 17

OASYS DIVISION OF XEL, INC.
230 2nd Avenue
P. O. Box 8990
Watham, MA 02254
617 890-7889
• Specialized Systems 1
• CASE 20

OCE GRAPHICS USA INC.
385 Ravendale Drive
Mountain View, CA 94043-5217
800 545-5445
• Pen Plotters 9
• Thermal Transfer Printers 9

OFFICE AUTOMATON SYSTEMS INC.
9940 Barnes Canyon Rd.
San Diego, CA 92121
619 452-9400
• Laser Printers 9

OKIDATA CORPORATION
532 Fellowship Road
Mt. Laurel, NJ 08054
800 654-3282 • 609 235-2600
• Dot Matrix Printers 9
• Thermal Transfer Printers 9

OMICRON TELESYSTEMS INC.
6600 Trans Canada Hwy.
Pointe Claire, Qu H9R 4S2
Canada
514 694-3457 • 514 738-3962
• Switching Devices 4

OPTICOMM CORPORATION
5505 Morrehouse Drive
Suite 150
San Diego, CA 92121
619 450-0143
• Specialized Systems 1

OPTIVISION INC.
1477 Drew Avenue
Suite 102
Davis, CA 95616
916 756-4429
• Special Function Boards 13

OPTO 22
15461 Springdale Street
Huntington Beach, CA 92649
714 891-5861
• A/D Conversion 10

OREGON SOFTWARE INC.
6915 S.W. Macadam Avenue
Portland, OR 97219-2397
503 245-2202
• Toolkits 20

OUTPUT TECHNOLOGY CORPORATION
E. 9922 Montgomery Drive#6
Spokane, WA 99206-4199
509 926-3855
• Dot Matrix Printers 9
• Laser Printers 9

P

PACER SOFTWARE INC.
1900 West Park Drive
Suite 280
Westborough, MA 01581
508 898-3300
• Communications 17
• Terminal Emulation 17

PALADIN
3543 Old Conejo Road
#101-102
Newbury Park, CA 91320
800 272-8665
• Supplies 16

PANAMAX
150 Mitchell Blvd.
San Rafael, CA 94903-2057
800 472-5555 • 800 472-6262 (CA)
• UPS Systems 11

PARACOM INC.
2300 N. Barrington
Suite 400
Hoffman Estates, IL 60195
312 293-9500
• Specialized Systems 1

PARK SOFTWARE INC.
83 King Street
Suite 412, PO Box 31529
Seattle, WA 98103-1529
206 343-0447
• DBMS 19

PARSE INC.
131 Coolidge Street
Coolidge Office Park
Hudson, MA 01749
508 568-0669
• Miscellaneous Products 14

PATTON ELECTRONICS COMPANY
7958 Cessna Avenue
Gaithersburg, MD 20879
301 493-9665
• Modems 3
• Multiplexers 3

PERCEPTICS CORPORATION
725 Pellissippi Park
Knoxville, TN 37933
615 966-9200
• Image Processors 2
• Optical Subsystems 5
• Optical Drives 5

PERFORMANCE SOFTWARE INC
28 Green Street
Newbury, MA 01951
508 462-0737
• System Software 18

PERFORMARK INC.
8200 Highwood Drive
Minneapolis, MN 55438
612 942-0611
• Tape Drives 6

PERICOM INC.
9 Princess Road
Suite D
Lawrenceville, NJ 08648
609 895-0404
• Workstations 8
• Graphics Terminals 8
• Display Terminals 8
• Terminal Emulation 17

PERIPHERAL MANUFACTURING INC.
1363 Logan Avenue
Costa Mesa, CA 92626
800 468-6888 • 714 540-4925
• Supplies 16

PERIPHERAL PARTS SUPPORT INC.
219 Bear Hill Road
Waltham, MA 02154
617 890-9101
• Miscellaneous Products 16

PERIPHERALS
1363 Logan Avenue
Costa Mesa, CA 92626
714 540-4925 • 800 468-6888
• Disaster Recovery 15

PERITEK CORPORATION
5550 Redwood Road
Oakland, CA 94619
415 531-6500
• Graphics Controllers 13
• Special Function Boards 13
• System/Integrators/OEMs/VARs 16

PERSOFT INC. UW RESEARCH PARK
465 Science Drive
Madison, WI 53711
608 273-6000 • 800 EMU-LATE
• Terminal Emulation 17

PIEDMONT SYSTEMS INC.
P.O. Box 606
Middleton, MA 01949
508 774-4223
• Financial Accounting 17

PINNACLE MICRO INC.
15265 Alton Parkway
Irvine, CA 92718
714 727-3300 • 800 553-7070
• Optical Subsystems 5
• Tape Drives 6

PIPELINE ASSOCIATES INC.
239 Main Street W.
Orange, NJ 07052
201 731-7860
• Graphics 17

POLESTAR SOFTWARE INC.
109 1/2 West Broadway
Fairfield, IA 52556
515 472-2445
• Office Automation 17

POLYGON INC.
1015 Corporate Square
Suite 100
St. Louis , MO 63132
314 432-4142
• Communications 17
• Terminal Emulation 17

POWER TECHNIQUES INC.
2635 Croddy Way
Santa Ana, CA 92704
714 241-3894
• Power Distribution Controllers 11

PRECISE POWER CORPORATION
715 60th Street Court East
P.O. Box 9547
Bradenton, FL 34206
813 746-3515
• UPS Systems 11

PRECISION IMAGE CORPORATION
501 Chesapeak Drive
Redwood City, CA 94063
415 366-8900
• Electrostatic Plotters 9

PRECISION VISUALS INC.
6260 Lookout Road
Boulder, CO 80301
800 447-7147 • 303 530-9000
• Graphics 17

PRIMAVERA SYSTEMS INC.
2 Bala Plaza
Suite 700
Bala-Cynwyd, PA 19004
215 667-8600 • 800 423-0245
• Project Management 17

PRINTDATA
11 Belden Avenue
Norwalk, CT 06850
203 847-0064
• Dot Matrix Printers 9
• Laser Printers 9
• Band Printers 9

PRINTEK INC.
1517 Townline Road
Benton Harbor, MI 49022
616 925-3200
• Dot Matrix Printers 9

PRINTER SYSTEMS CORPORATION
9055 Comprint Ct.
Suite 200
Gaithersburg, MD 20877
301 258-5060
• Laser Printers 9

PRINTRONIX INC.
17500 Cartwright Blvd.
P.O. Box 19559
Irvine, CA 92713
714 863-1900
• Dot Matrix Printers 9
• Laser Printers 9

PROCESS SOFTWARE CORPORATION
959 Concord Street
Framingham, MA 01701
800 772-7770 • 508 879-6994
• Communications 17

PROCYON SOFTWARE SYSTEMS INC.
31255 Cedar Valley Drive
Suite 300
Westlake Village, CA 91362
818 991-2766
• Graphics 17

PROGRAMMED INTELLIGENCE CORP.
3295 River Exchange Drive
Suite 550
Norcross, GA 30092
404 446-8880 • 800 458-0386
• Office Automation 17

PROGRESS SOFTWARE CORP.
5 Oak Park
Bedford, MA 01730
800 327-8445 • 617 275-4500
• DBMS 19

PROJECT SOFTWARE & DEVELOPMENT INC.
20 University Road
Cambridge, MA 02138
617 661-1444 • 800 213-7734
• Project Management 17

PROVIDENT RECOVERY SYSTEMS
2000 Regency Pkwy.
Suite 255
Cary, NC 27511-8507
919 481-0011
• Disaster Recovery 15

PTI INDUSTRIES
269 Mt. Hermon Road
Scotts Valley, CA 95066
408 439-6600
• **UPS Systems 11**

PULIZZI ENGINEERING INC.
3260 S Susan Street
Santa Ana, CA 92704-6865
714 540-4229
• **Power Distribution Controllers 11**

PURVIS SYSTEMS INC.
1272 W. Main Road
Middletown, RI 02840
401 849-4750
• **Communication Protocol Interfaces 3**

Q

QMS INC.
One Magnum Pass
Mobile, AL 36618
205 633-4300
• **Laser Printers 9**
• **Thermal Transfer Printers 9**

QUICKWARE ENGINEERING DESIGN INC.
225 Riverview Avenue
Waltham, MA 02254-9025
800 237-1185 • 617 782-8330
• **CPU Upgrades 1**

R

RACAL-MILGO
1601 N. Harrison Pkwy.
Sunrise, FL 33323-2899
800 RACAL-55 • 305 846-1601
• **Communication Processors 3**
• **Multiplexers 3**
• **Modems 3**
• **Switching Devices 4**
• **Security Systems 14**

RAD DATA COMMUNICATIONS
151 West Passaic Street
Rochelle Park, NJ 07662
201 587-8822
• **Modems 3**
• **Multiplexers 3**

RAIMA CORPORATION
3245 146th Place S.E.
Bellevue, WA 98007
206 747-5570
• **DBMS 19**

RANDOM CORPORATION
581 Northland Blvd.
Cincinnati, OH 45240
513 825-0880
• **Display Terminals 8**

RAXCO SOFTWARE INC.
2440 Research Blvd.
Suite 200
Rockville, MD 20850
301 258-2620
• **System Software 18**

RAYCOM SYSTEMS INC.
6395 Gunpark Drive
Boulder, CO 80301
303 530-1620
• **Modems 3**
• **Multiplexers 3**
• **Ethernet Devices 4**

REALWORLD CORPORATION
282 Loudon Road
P.O. Box 2051
Concord, NH 03302-2051
800 678-6336 • 603 224-2200
• **Financial Accounting 17**

RECITAL CORPORATION
85 Constitution Lane
Danvers, MA 01923
508 750-1066
• **DBMS 19**

RECOGNITION CONCEPTS INC.
P.O. Box 8510
341 Ski Way
Incline Village, NV 89450
702 831-0473
• **Image Processors 2**
• **Disk Subsystems 5**

RELIABILITY RATINGS
163 Highland Avenue
Needham, MA 02194
617 444-5755
• **Miscellaneous Products 14**

RELIABLE COMPUTER SERVICES INC.
511 S State Street
Lockport, IL 60441
815 838-0134
• **Distributors/Resellers 16**

RESOLVE LOGIC SYSTEMS INC.
50 W. Wilmot Street
Richmond Hill, Ontario L4B 1M5
Canada
416 764-9923 • 416 764-9604
• **Office Automation 17**

RESOURCE SYSTEMS CORP.
4000 Clemmons Avenue
P.O. Box 1546
Clemmons, NC 27012
919 766-0571
• **Financial Accounting 17**

RESOURCES PLANNING ASSOCIATES INC.
Cornell Business &
Technology Park
Langmuir Bldg., Suite 231
Ithaca, NY 14850
607 257-4305 • 607 257-2820
• **Toolkits 20**

RGB SPECTRA
2550 Ninth Street
Berkeley, CA 94710
415 848-0180
• **Graphics 17**

RICHARD HIRSCHMANN OF AMERICA
Industrial Row
P.O. Box 229
Riverdale, NJ 07574
201 836-5002
• **Ethernet Devices 4**

RICOH CORPORATION
2661 Gates Avenue
P.O. Box 16184
Irvine, CA 92714
714 863-0550
• **Disk Drives 5**
• **Optical Subsystems 5**
• **Laser Printers 9**

ROLAND DG
1961 McGraw Avenue
Irvine, CA 92714
714 975-0560
• **Pen Plotters 9**
• **Thermal Transfer Printers 9**

ROSE ELECTRONICS
10850 Wilcrest #900
Houston, TX 77099
713 933-7673
• **Switching Devices 4**

ROSETTA TECHNOLOGIES CORPORATION
9417 Princess Palm Avenue
Tampa, FL 33619
800 937-4224
• **Laser Printers 9**

RUGGED DIGITAL SYSTEMS INC.
665 Clyde Avenue
Mountain View, CA 94043
415 966-1770
• **Specialized Systems 1**

RUSSELL INFORMATION SCIENCES INC.
25201 Paseo DE Alicia
Suite 111
Laguna Hills, CA 92653
714 768-5000
• **Office Automation 17**

S

SAMSUNG ELECTRON DEVICES AMERICA INC.
14251 E Firestone Blvd.
Suite 101
La Mirada, CA 90838
213 802-8425
• **Display Terminals 8**
• **Graphics Terminals 8**

SAS INSTITUTE INC.
SAS Circle
Box 8000
Cary, NC 27512
919 677-8000
• **Statistical Packages 17**

SCHLUMBERGER TECHNOLOGIES CAD/CAM DIVISION
4251 Plymouth Road
P.O. Box 986
Ann Arbor, MI 48106
313 995-6000 • 800 366-0060
• **CAD/CAM 17**

SCIENTIFIC COMPUTING ASSOCIATES
Lincoln Center
Suite 106, 4513 Lincoln Avenue
Lisle, IL 60532
708 960-1698
• **Statistical Packages 17**

SCO INC.
740C S Pierce Avenue
Louisville, CO 80027
303 666-5400
• **System Integrators/OEMs/VARs 16**

SDRC
2000 Eastman Drive
Milford, OH 45150
513 576-2400
• **CAD/CAM 17**

SEAGATE TECHNOLOGY INC.
920 Disc Drive
Scotts Valley, CA 95066-4544
408 439-2165
• **Disk Drives 5**

SECURITY DYNAMICS INC.
One Alewife Ctr
Cambridge, MA 02140
617 547-7820
• **Security Systems 14**

SEE FIRST TECHNOLOGY INC.
4655 Old Ironsides Drive
Suite 100
Santa Clara, CA 95054
408 748-7717
• **Solid State Storage 5**
• **Optical Subsystems 5**
• **Memory Boards 7**

SEIKO INSTRUMENTS GRAPHIC DEVICES & SYSTEMS DIVISION
1130 Ringwood Court
San Jose, CA 95131
408 922-5950 • 408 943-9100
• **Thermal Transfer Printers 9**

SEQUOIA SYSTEMS INC.
3 Metropolitan Corp
Marlborough, MA 01752
508 480-0800
• **Specialized Systems 1**

SERVIO CORPORATION
1420 Harbor Bay Pkwy
Alamedo, CA 94501
415 748-6200
• **DBMS 19**

SHAPE MAGNETRONICS INC.
901 DuPage Avenue
Lombard, IL 60148
203 726-1411 • 800 367-5811
• **Power Conditioners 11**

SHARE BASE (BRITTON LEE)
14600 Winchester Blvd.
Los Gatos, CA 95030
408 378-7000
• **Database Processors 2**

SHERPA CORPORATION
611 River Oaks Parkway
San Jose, CA 95134
408 433-0455
• **CAD/CAM 17**

SI TECH
P.O. Box 609
Geneva, IL 60134
708 232-8640
• **Modems 3**
• **Multiplexers 3**
• **System and Peripheral Enclosures 12**

SIGMA INFORMATION SYSTEMS
3407 East La Palma Avenue
Anaheim, CA 92806
714 630-6553
• **Multiplexers 3**
• **Terminal Servers 4**
• **Disk Controllers 5**
• **Tape Controllers 6**
• **A/D Conversion 10**
• **Power Distribution Controllers 11**
• **System and Peripheral Enclosures 12**
• **Host Adapters 13**

SILICON GRAPHICS INC.
P.O. Box 7311
2011 N Shoreline Blvd.
Mountain View, CA 94039-7311
415 960-1980 • 415 962-3365
• **Workstations 8**

SIMPACT ASSOCIATES INC.
9210 Sky Park Court
San Diego, CA 92123
619 565-1865
• **Communication Processors 3**
• **Communication Protocol Interfaces 3**

SIR
707 Lake Cook Road
Suite 120
Deerfield, IL 60015
708 480-9270
• DBMS 19

SIX SIGMA CASE INC.
14405 S.E. 36th Street
Suite 210
Bellevue, WA 98006
206 643-6911
• CASE 20

SKY COMPUTERS INC.
27 Industrial Avenue
Chelmsford, MA 01824
508 250-1920
• Array Processors 2

SMARTSTAR CORPORATION
120 Cremona Drive
Goleta, CA 93117
805 685-8000
• 4GL 20

SOFTOOL CORPORATION
340 South Kellogg Avenue
Goleta, CA 93117
805 683-5777
• CASE 20

SOFTRACK SYSTEMS A DIVISION OF PRIMAVERA SYSTEMS INC.
1574 W. 1700 S.
Suite 2C
Saly Lake City, UT 84104
801 973-9610
• Project Management 17

SOFTWARE A&E
1600 Wilson Blvd.
Suite 500
Arlington, VA 22209
703 276-7910
• CASE 20

SOFTWARE DEVELOPMENT SYSTEMS INC.
4248 Belle Aire Lane
Downers Grove, IL 60515
800 448-7733
• System Software 18

SOFTWARE LEVERAGE
485 Massachusetts Avenue
Arlington, MA 02174
617 648-1414 • 617 648-5917
• CASE 20

SOFTWARE PLUS INC.
2020 Hog Back Road
Ann Arbor, MI 48170
313 971-5377
• Financial Accounting 17

SOFTWARE RESULTS CORPORATION
940 Freeway Drive North
Columbus, OH 43229
614 785-0282 • 800 772-3282
• Communication Processors 3
• Communication Protocol Interfaces 3

SOFTWARE SYSTEMS DESIGN INC.
3627 Padua Avenue
Claremont, CA 91711
714 625-6147
• CASE 20
• 4GL 20
• DBMS 19

SOFTWARE TRANSLATIONS INC.
57 N. Main Street
Suite E
Hartford, WI 53027
414 673-7041
• Toolkits 20

SOLA ELECTRIC
1717 Busse Road
Elk Grove Village, IL 60007
708 439-2800 • 800 626-6269
• Power Conditioners 11
• UPS Systems 11

SOLIDSTATE CONTROLS INC.
875 Dearborn Drive
Columbus, OH 43085
614 846-7500
• UPS Systems 11

SOUTHERN DIGITAL SERVICES
6061 Oakbrook Pkwy.
Norcross, GA 30093
404 441-2230
• Distributors/Resellers 16

SPATIAL SYSTEMS INC.
900 Middlesex Tpk, Bldg 8
Bellerica, MA 01821
508 670-2720
• Miscellaneous Products 14

SPECTRA LOGIC CORPORATION DIV OF WESTERN AUTOMATION
1227 Innsbruck Drive
Sunnyvale, CA 94089
303 449-7759 • 800 833-1132
• Tape Controllers 6

SPECTRAGRAPHICS CORPORATION
9707 Waples Street
San Diego, CA 92121
619 450-0611
• X-Windows Terminals 8
• Graphics Terminals 8
• Workstations 8

SPSS INC.
444 N. Michigan Avenue
Chicago, IL 60611
312 329-3500
• Statistical Packages 17

SQUARE D COMPANY POWER PROTECION SYSTEMS
9192 Topaz Way
San Diego, CA 92123
619 279-0831
• Power Conditioners 11
• UPS Systems 11

SQUARE D/CRISP AUTOMATION SYSTEMS
5160 Blazer Memorial Pkwy.
Dublin, OH 43017
614 764-4200
• Specialized Systems 1

STANDARD MEMORIES CORP.
9 Whatney
Irvine, CA 92718
800 543-3323 • 800 247-9313 (CA)
• Memory Boards 7

STERLING SOFTWARE
36 Antares Drive
Suite 500
Ottawa, ON K2E 7W5
613 727-1397
• DBMS 19

STONE MOUNTAIN COMPUTING
42 Aero Camino
Suite 209
Goleta, CA 93117
805 968-3838
• Spreadsheets 17

STORAGE CONCEPTS INC.
1622 Deere Avenue
Irvine, CA 92714
714 852-8511
• Disk Subsystems 5

SUMMUS COMPUTER SYSTEMS
P.O. Box 219270
Houston, TX 77218
713 492-6611
• Multiplexers 3
• Disk Drives 5
• Disk Subsystems 5
• Optical Subsystems 5
• Optical Drives 5
• Tape Subsystems 6
• Display Terminals 8
• Dot Matrix Printers 9
• Laser Printers 9
• UPS Systems 11
• System and Peripheral Enclosures 12

SUPERIOR ELECTRIC
383 Middle Street
Bristol, CT 06010
203 582-9561
• UPS Systems 11
• Power Conditioners 11

SUTTON DESIGNS INC.
Computer Security Division
300 N. Tioga Street
Ithaca, NY 14850
607 277-4301
• UPS Systems 11

SYMIX COMPUTER SYSTEMS INC.
2400 Corporate Exchange Drive
Suite 200
Columbus, OH 43231
614 895-0738
• Financial Accounting 17

SYNCTRONICS
980 Buenos Avenue
Suite C-2
San Diego, CA 92110
619 275-3525 • 800 444-KEYS
• Supplies 16

SYNERCOM
2500 City West Blvd.
Suite 1100
Houston, TX 77042
800 334-7101 • 713 240-7000
• DBMS 19

SYNERGY SOFTWARE
2457 Perkiomen Avenue
Reading, PA 19606
215 779-0522
• Graphics 17
• Terminal Emulation 17

SYNOPTICS COMMUNICATIONS
501 East Middlefield
Mountain View, CA 94043-4015
800 PRO-8023
• Ethernet Devices 4

SYNTACTICS CORP.
4655 Old Ironsides Drive
Santa Clara, CA 95054
800 626-6400 • 408 727-6400
• Office Automation 17

SYNTHESIS COMPUTER TECHNOLOGIES INC.
5199 E. Pacific Coast Hwy.
Suite 601
Long Beach, CA 90804
213 494-4069
• CASE 20

SYSTEM INDUSTRIES
560 Cottonwood Drive
P.O. Box 789
Milpitas, CA 95035-7403
408 432-1212
• Disk Drives 5
• Solid State Storage 5
• Tape Controllers 6
• Tape Drives 6
• System Integrators/OEMs/VARs 16

SYSTEM TECHNOLOGY ASSOCIATES
15111 Mintz Lane
Houston, TX 77014
800 553-5124 • 713 440-8340
• Disk Drives 5
• Tape Drives 6
• System Integrators/OEMs/VARs 16

SYSTEMS CONCEPTS INC.
55 Francisco Street
San Francisco, CA 94133
415 984-1000
• Specialized Systems 1
• Terminal Servers 4
• Disk Subsystems 5
• Special Function Boards 13

SYSTEMS UNION INC.
244 E. 48th Street
New York, NY 10017
212 753-7777
• Financial Accounting 17

T

TALARIS SYSTEMS INC.
6059 Cornerstone Court
P.O. Box 261580
San Diego, CA 92126
619 587-0787
• Ethernet Devices 4
• Disk Drives 5
• Laser Printers 9
• Printer Controllers 13

TARGET SYSTEMS CORPORATION
33 Boston Post Road West
Marlboro, MA 01752
508 460-9206 • 800 233-3493
• System Software 18

TARTAN TECHNICAL INC.
321 Billerica Road
Chelmsford, MA 01824
508 250-9341
• Printer Controllers 13
• Miscellaneous Products 14
• Distributors/Resellers 16

TATUNG COMPANY OF AMERICA
2850 El Presidio
Long Beach, CA 90810
213 637-2105
• Display Terminals 8

TCL INC.
41829 Albrae Street
Fremont, CA 94538
415 657-3800
• Ethernet Devices 4

TD SYSTEMS INC.
24 Payton Street
Lowell, MA 01853
508 937-9465
• Host Adapters 13

TDX PERIPHERALS INC.
8 David Drive
Hauppauge, NY 11788
516 273-5900
• Multiplexers 3
• Tape Controllers 6
• Tape Drives 6

TECH LABS
500 Tenth Street
Palisades Park, NJ 07650
201 944-2221
• Disk Drives 5
• Disk Subsystems 5

TECHGNOSIS INC.
One Park Place, Suite 340
621 NW 53rd Street
Boca Raton, Fl 33487
407 997-6687
• System Software 18

TEKTRONIX INC.
P.O. Box 1000
Wilsonville, OR 97070
206 253-5019 • 800 225-5434
• Graphics Terminals 8
• Workstations 8
• Hard Copy Units 9
• Ink Jet Printers 9
• Miscellaneous Printers 9
• Pen Plotters 9
• D/A Conversion 10

TELCOR SYSTEMS CORPORATION
4 Strathmore Road
Natick, MA 01760
508 653-3995 • 800 826-2938
• Modems 3

TELEBIT CORPORATION
1315 Chesapeake Terrace
Sunnyvale, CA 94089
408 734-4333
• Modems 3

TELENETICS CORPORATION
5109 East La Palma A
Anaheim, CA 92807
714 779-2766
• Modems 3
• Multiplexers 3

TELERAY
Box 24064
Minneapolis, MN 55424
612 941-3300
• Display Terminals 8
• Graphics Terminals 8

TELEVIDEO SYSTEMS INC.
1170 Morse Avenue
Sunnyvale, CA 94088
408 745-7760
• Display Terminals 8

TEMPEST TECHNOLOGIES INC.
460 Herndon Parkway
Herndon, VA 22070
703 471-0157
• Dot Matrix Printers 9

TEXAS INSTRUMENTS INC. DATA SYSTEMS GROUP
P.O. Box 202230
Austin, TX 78720-2230
817 774-6252
• Laser Printers 9
• Dot Matrix Printers 9

TEXTBASE IMAGING CORP.
901 Dover Drive
Suite 242
Newport Beach, CH 92660
714 722-9648 • 303 223-2722
• DBMS 19

TGV INC.
603 Mission Street
Santa Cruz, CA 95060
408 427-4366 • 800 TGV-3440
• Communications 17

THE GRAPHIC MANAGEMENT GROUP INC.
100-3 Summit Lake Drive
Mt. Pleasant, NY 12457
800 346-6828 • 914 779-7800 (NY)
• Graphics 17

THE LASER CONNECTION
7852 Schillinger Park West
Mobile, AL 36608
800 523-2696 • 205 633-7223
• Laser Printers 9

THE LOGICAL COMPANY
31225 Lorraine Road
P.O. Box 549
Cottage Grove, OR 97424
503 942-3610
• Communication Controllers 3
• Printer Controllers 13
• Special Function Boards 13

THE PRINTER SOURCE
575 Broad Street
Bridgeport, CT 06604
203 368-0629
• Leasing/Rental 16
• Distributors/Resellers 16

THETA BUSINESS SYSTEMS
403 N. Verdugo Road
Glendale, CA 91206
818 547-3480
• Financial Accounting 17

THOMAS ENGINEERING COMPANY
2440 Stanwell Drive
Concord, CA 94520
800 832-8649 • 415 680-8705
• Communication Protocol Interfaces 3

THURSBY SOFTWARE SERVICES
5840 W. Interstate 20
Suite 115
Arlington, TX 76017
800 283-5070
• Communications 17

TIMELINE INC.
3055 112th Avenue N.E.
Suite 106
Bellevue, WA 98004
206 822-3140
• Spreadsheets 17
• Financial Accounting 17

TOSHIBA AMERICA DISK PRODUCTS DIVISION
9740 Irvine Blvd.
Irvine, CA 92718
800 456-DISK
• Disk Drives 5

TOTAL TEC SYSTEMS INC.
2 Gourmet Lane
Edison, NJ 08837
201 906-6500
• Tape Drives 6
• Disk Drives 5
• Distributors/Resellers 16
• System Integrators/OEMs/VARs 16

TOUCH TECHNOLOGIESINC.
9990 Mesa Rim Road
Suite 220
San Diego, CA 92121
800 525-2527 • 619 455-7404
• 4GL 20

TOYO SPECTRUM CORPORATION
2934 Corvin Drive
Santa Clara, CA 95051
408 739-7913
• Thermal Transfer Printers 9

TRANSITIONAL TECHNOLOGY INC.
5401 East La Palma Avenue
Anaheim, CA 92807
714 693-1133
• Tape Subsystems 6

TRANSTECTOR SYSTEMS INC.
P.O. Box 300
Hayden Lake, ID 83835
800 829-2901
• Power Conditioners 11
• UPS Systems 11

TRILOGIC
R.D. #2 Box 203A
Old Route 519
Canonsburg, PA 15317
800 346-2933 • 412 745-0200
• Distributors/Resellers 16
• Miscellaneous Products 14

TRIMARCHI INC.
P.O. Box 560
State College, PA 16804
814 234-5659 • 800 356-6638
• Optical Subsystems 5
• Tape Subsystems 6
• Disk Subsystems 5

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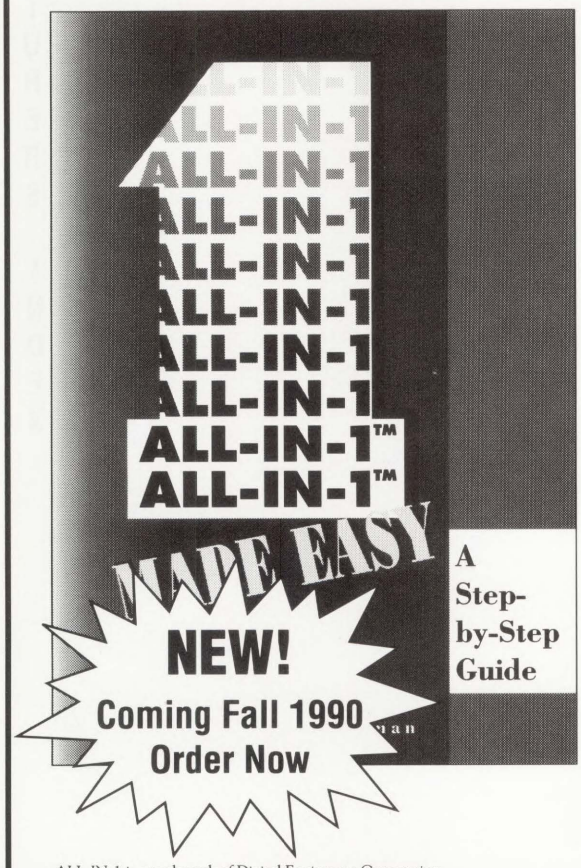
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Reader Service Number	Page
Advanced Systems Concepts	213
Alisa Systems, Inc.	191
Allied Telesis	45
Applied Information Systems	208
Archive Corp.	89
Bancomm	180
Bear Computer Systems	217
BGL Technology Corp.	139
CIE America, Inc.	135
Computer Upgrade	73
Computron Technologies Corp.	193
Contemporary Cybernetics Group	91
Datability Software Systems	50-51
Dataram Corporation	101
Diversified Computer Systems	201
DMG	203
DSD Corporation	206
Equinox Systems, Inc.	I.B.Cover
Executive Software	211
FALCO Data Products	111
GrayMatter Software	206
Hitachi America Ltd.	67
Image Systems	143
Interactive Software Systems	221
Kingston Technology	68a
Lantronix	53
Logicraft, Inc.	107
Maintech	181
MESA Technology	79
MESA Technology	95
MESA Technology	136
MESA Technology	137
MESA Technology	141
Mitek Systems	I.F.Cover
Novadyne Computer Systems	183
Peritek Corporation	169
Persoft, Inc.	B.Cover
Pulizzi Engineering, Inc.	157
Recital Corp.	3
Saiga Systems, Inc.	5
Synergy Software	209
System Industries	65
System Industries	87
Talaris Systems, Inc.	129
Target Systems	216
TriLogic Corp.	185
Unbound, Inc.	105
WordPerfect Corp.	195
Xyplex, Inc.	61

DP LAB SEALS...continued

Chapter	Issue
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SmarTerm 240	January 1990
Polestar Software	
Polestar Windows	April 1990
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The SAS System	August 1989
Systems Union Inc.	
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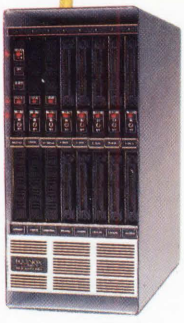
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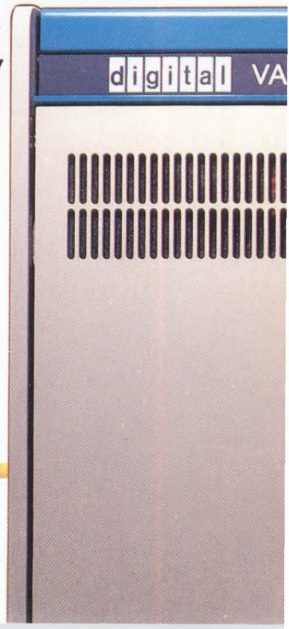
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